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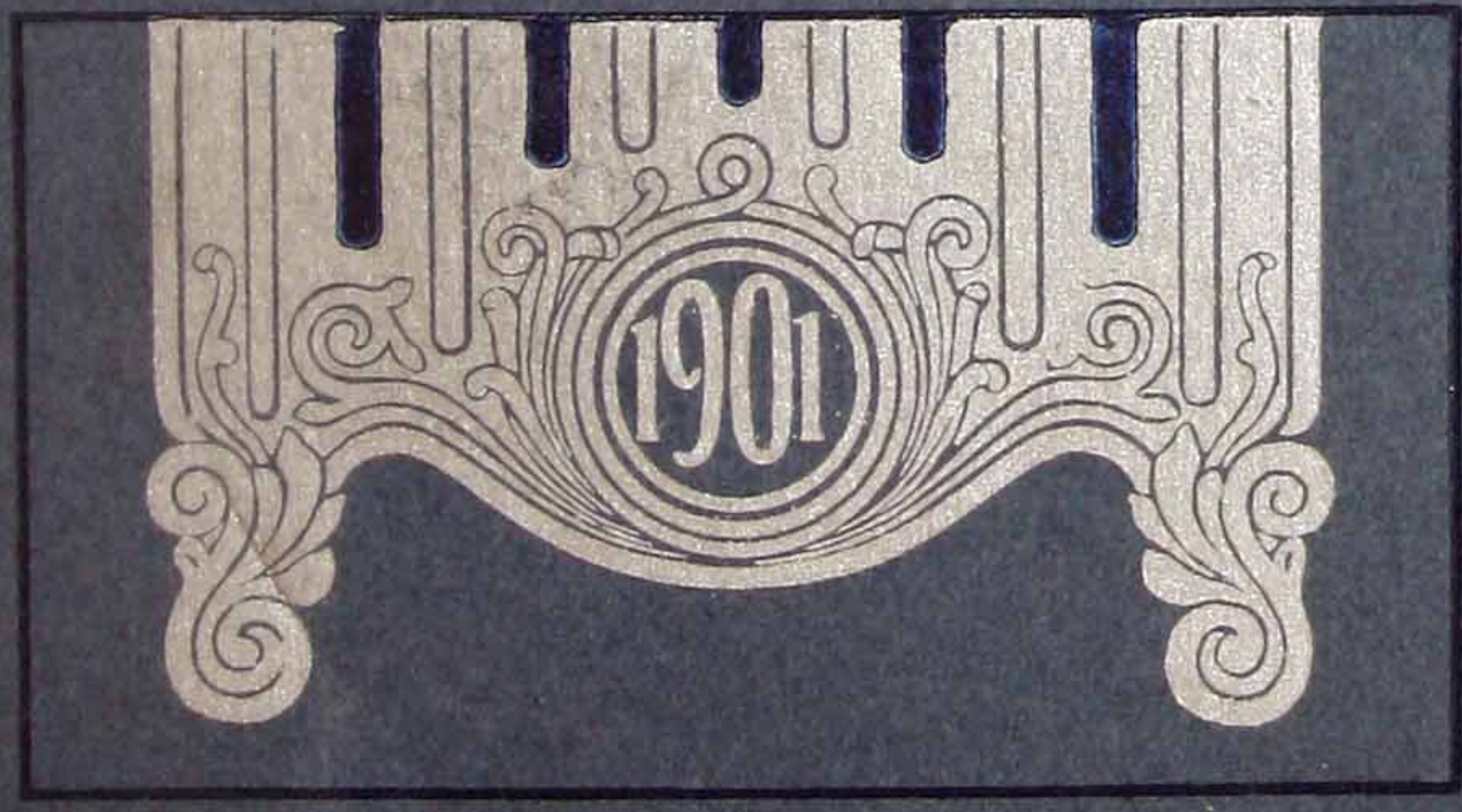
H. GILPIN
Dec. 27 1912



RADIATORS AND BOILERS



THE J. L. MOTT IRON WORKS
84-90 BEEKMAN ST
NEW YORK



RADIATORS ^{AND} HEATERS

FOR STEAM OR WATER.

MARCH 1ST, 1901.

THE J. L. MOTT IRON WORKS,

84 TO 90 BEEKMAN STREET,

NEW YORK.

CABLE ADDRESS:—NYMSIMIL, NEW YORK.

CODES USED:

A B C.—FOURTH EDITION,
LIEBER'S STANDARD.

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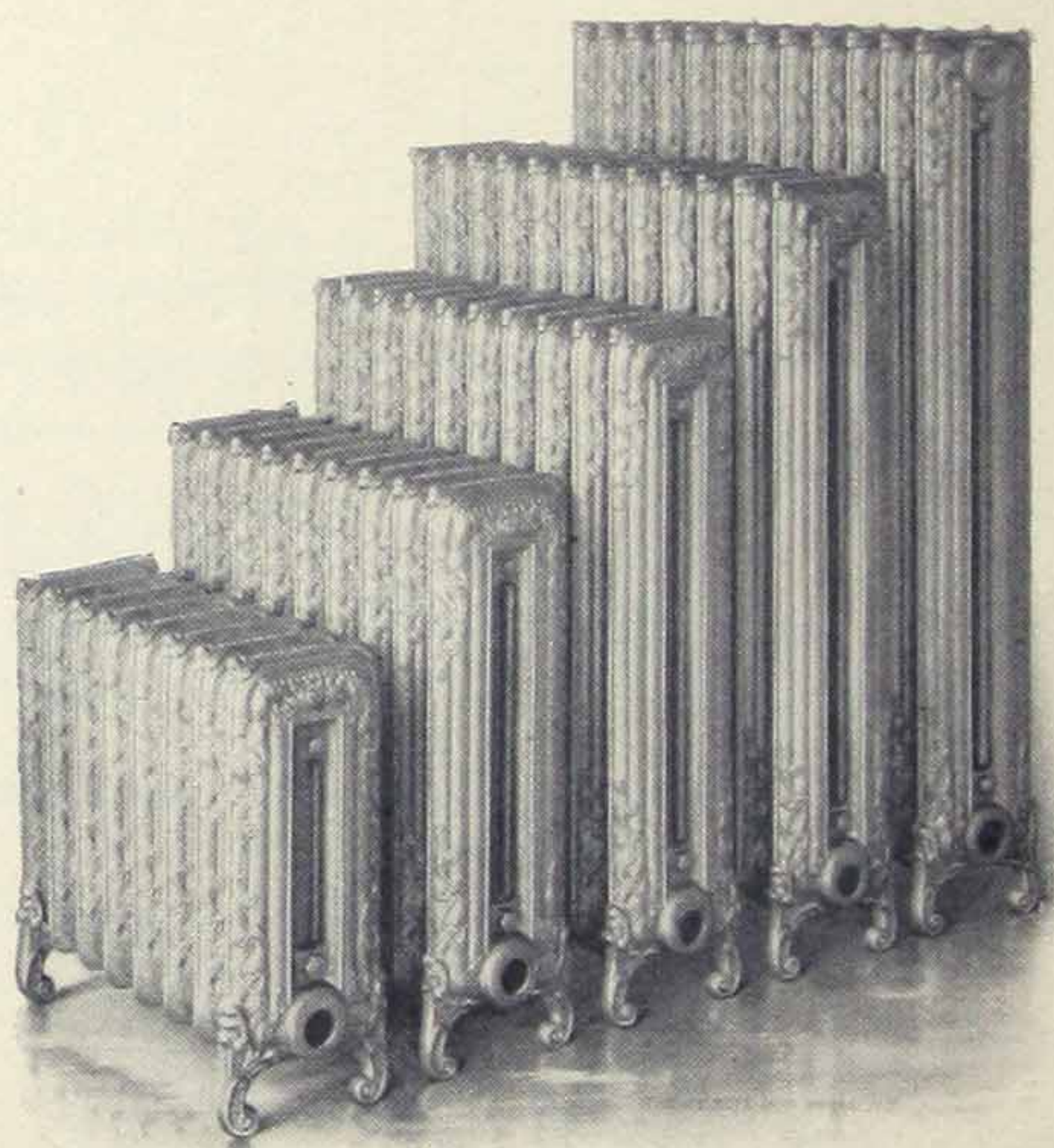
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BY THE J. L. MOTT IRON WORKS.

I N THIS ABRIDGED CATALOGUE we show only part of the appliances used in the erection of modern heating plants, which we manufacture.

Our experience in this line has covered a period of over seventy years, during which time all the various devices for the purpose, now in use, have been evolved.

Should you not find what you want illustrated herein, write us in regard to your needs.

JD 90-3817 TCF



MOTT'S ROMAN TWO COLUMN RADIATORS.

TO ENGINEERS AND CONTRACTORS.

The heating goods illustrated in this pamphlet represent long experience and careful and intelligent consideration of the problems connected with the warming of residences, business buildings and public edifices, together with thorough practical knowledge of the many difficulties to be overcome in installing a modern heating plant.

Our aim has been a simple and durable construction, utilizing to the fullest extent the forces of nature for the production and diffusion of heat, thus giving efficiency and economy, together with ease of operation.

Our sizes give a larger range than those of any other manufacturer, providing for all needs from the smallest water heater to the largest steam boiler required for heating purposes.

In water heaters the range in capacity is from 100 square feet of radiation to 10,000 square feet in single units, and by arranging a battery of two or more units, sufficient capacity for any purpose may be obtained.

In steam boilers the sizes range in capacity from 300 square feet to 6000 square feet in single units,—any increased capacity by connecting two or more.

One of the important features of our boiler construction is our system of *movable flue plates*, which may be adjusted to suit the chimney draft. These plates may be changed at any time; they can be taken out while the boiler is in operation. This invention is fully protected by patents and cannot be used by other makers.

The sections of our boilers are separated to allow the fire and heated gases to come into contact with the heating surfaces of the boilers. The space between sections is two inches in the smaller sizes and three inches in the larger.

We connect our heater and radiator sections by smooth or push nipples, using the same principle on which all locomotive, marine and factory power boilers are constructed. The difference between the expanded joint and the push nipple joint is that one is pressed out while the other is squeezed in; both are iron to iron or iron to steel, as the case may be.

All our ratings are carefully made, as an examination of our lists will show.

Our radiators have wide air spaces between the sections, thus enabling them to do the most effective work, both by radiation and contact of air.

Our radiator factory near Pittsburg, Pa., has been greatly enlarged and its capacity very much increased to meet the demands of our customers.

All orders receive prompt and careful attention.

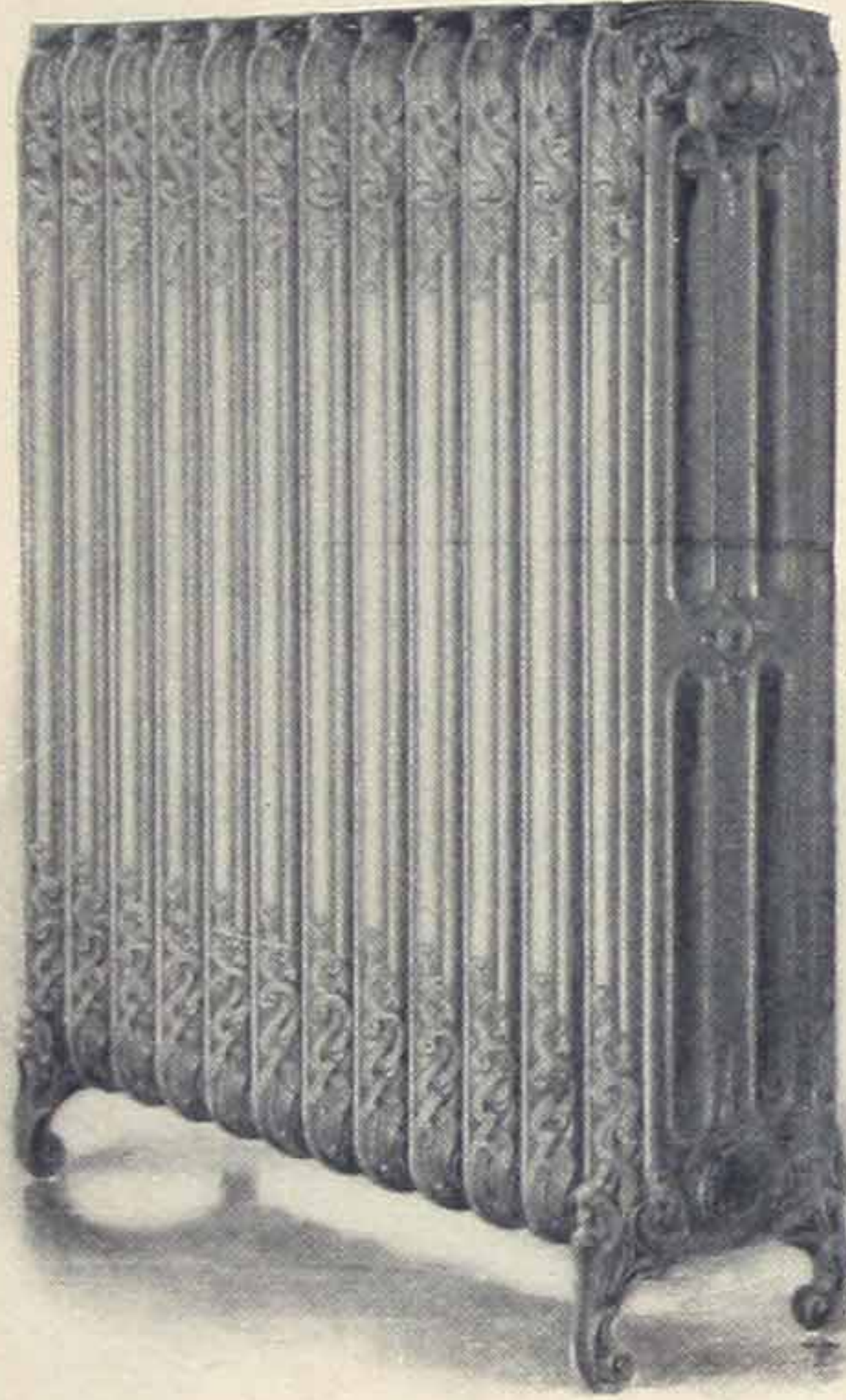
THE J. L. MOTT IRON WORKS.

MOTT'S ROMAN THREE COLUMN RADIATOR.

FOR STEAM OR WATER.

THE
J.L. MOTT
IRON
WORKS

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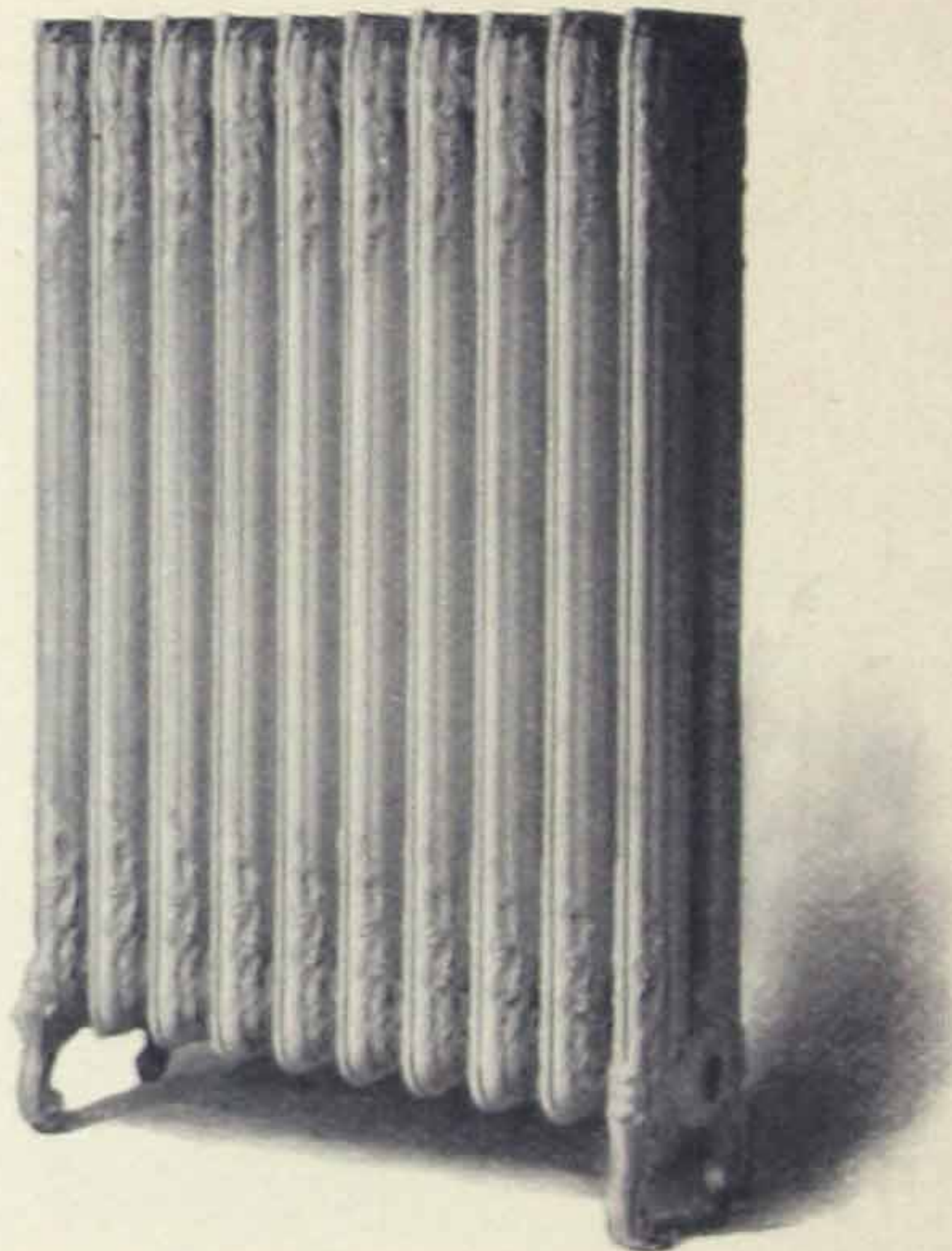


LIST OF SIZES.

No. of Sections.	Length in inches.	HEATING SURFACE, SQUARE FEET.				
		45 in. high. 6½ sq. feet per Section.	38 in. high. 5½ sq. feet per Section.	32 in. high. 4¾ sq. feet per Section.	26 in. high. 4 sq. feet per Section.	20 in. high. 3¼ sq. feet per Section.
2	5	13	11	9½	8	6½
3	7½	19½	16½	14¼	12	9¾
4	10	26	22	19	16	13
5	12½	32½	27½	23¾	20	16¼
6	15	39	33	28½	24	19½
7	17½	45½	38½	33¼	28	22¾
8	20	52	44	38	32	26
9	22½	58½	49½	42¾	36	29¼
10	25	65	55	47½	40	32½

Width of Section, 9½ inches; width across Feet, 10¼ inches.
 Distance from Floor to center of 2 inch Tapping, 4¾ inches.
 Distance from Floor to center of 1½ inch Tapping, 4½ inches.
 Distance from Floor to center of 1¼ inch Tapping, 4½ inches.
 Distance from Floor to center of 1 inch Tapping, 4½ inches.

MOTT'S ROMAN TWO COLUMN RADIATOR.
FOR STEAM OR WATER.



LIST OF SIZES.

Number of Sections.	Length in inches.	HEATING SURFACE, SQUARE FEET.				
		45 in. high. 5¼ sq. feet per Section.	38 in. high. 4¼ sq. feet per Section.	32 in. high. 3½ sq. feet per Section.	26 in. high. 2¼ sq. feet per Section.	20 in. high. 2¼ sq. feet per Section.
2	5	10½	8½	7	5½	4½
3	7½	15¾	12¾	10½	8¼	6¾
4	10	21	17	14	11	9
5	12½	26¼	21¼	17½	13¾	11¼
6	15	31½	25½	21	16½	13½
7	17½	36¾	29¾	24½	19¼	15¾
8	20	42	34	28	22	18
9	22½	47¼	38¼	31½	24¼	20¼
10	25	52½	42½	35	27½	22½

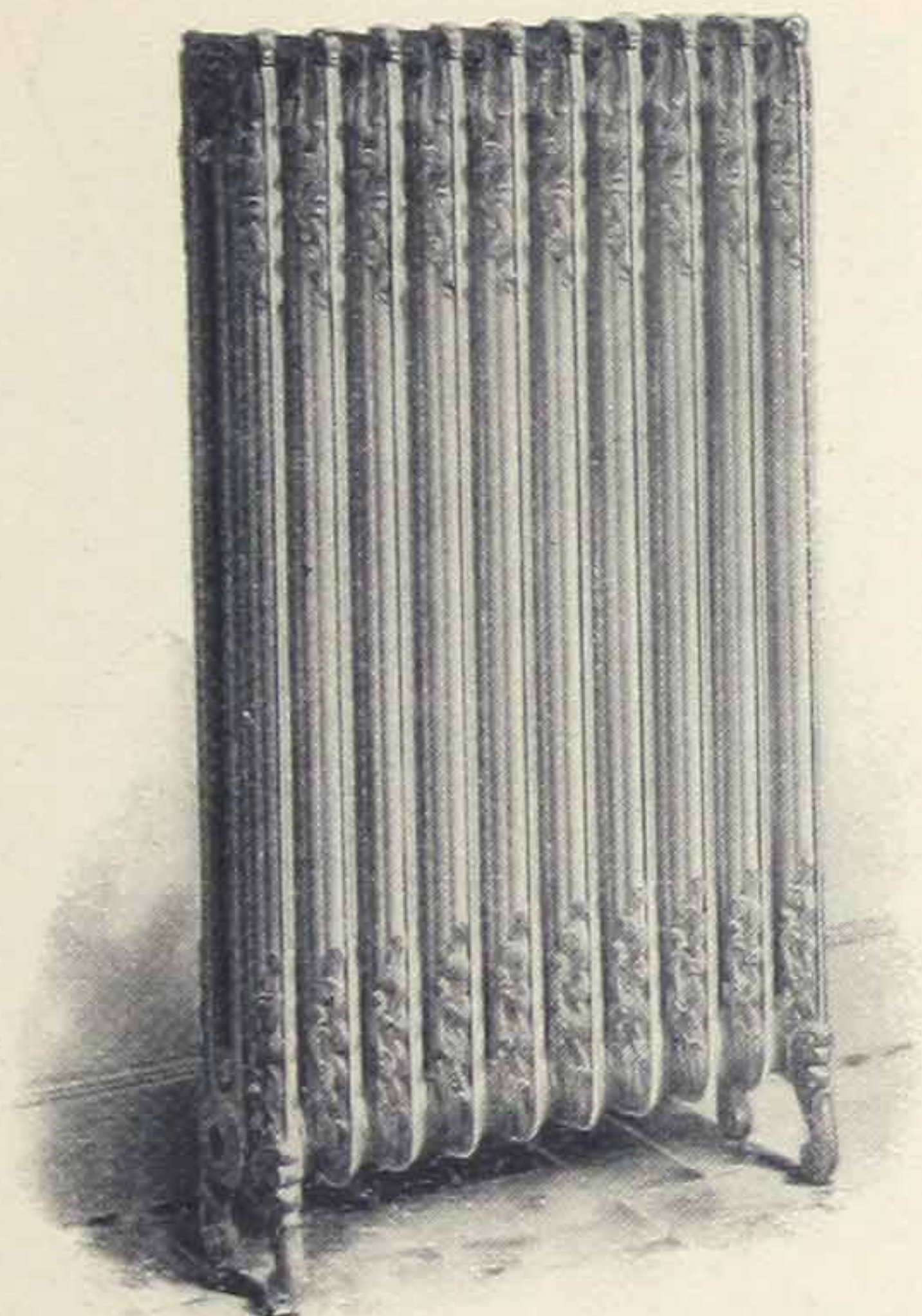
Width of Section, 7¼ inches; width across Feet, 8¼ inches.
Distance from Floor to center of 2 inch Tapping, 4½ inches.
Distance from Floor to center of 1½ inch Tapping, 4¼ inches.
Distance from Floor to center of 1¼ inch Tapping, 4¼ inches.
Distance from Floor to center of 1 inch Tapping, 4¼ inches.

MOTT'S ROMAN SINGLE COLUMN RADIATOR.

FOR STEAM OR WATER.

THE
J.L.MOTT
IRON
WORKS

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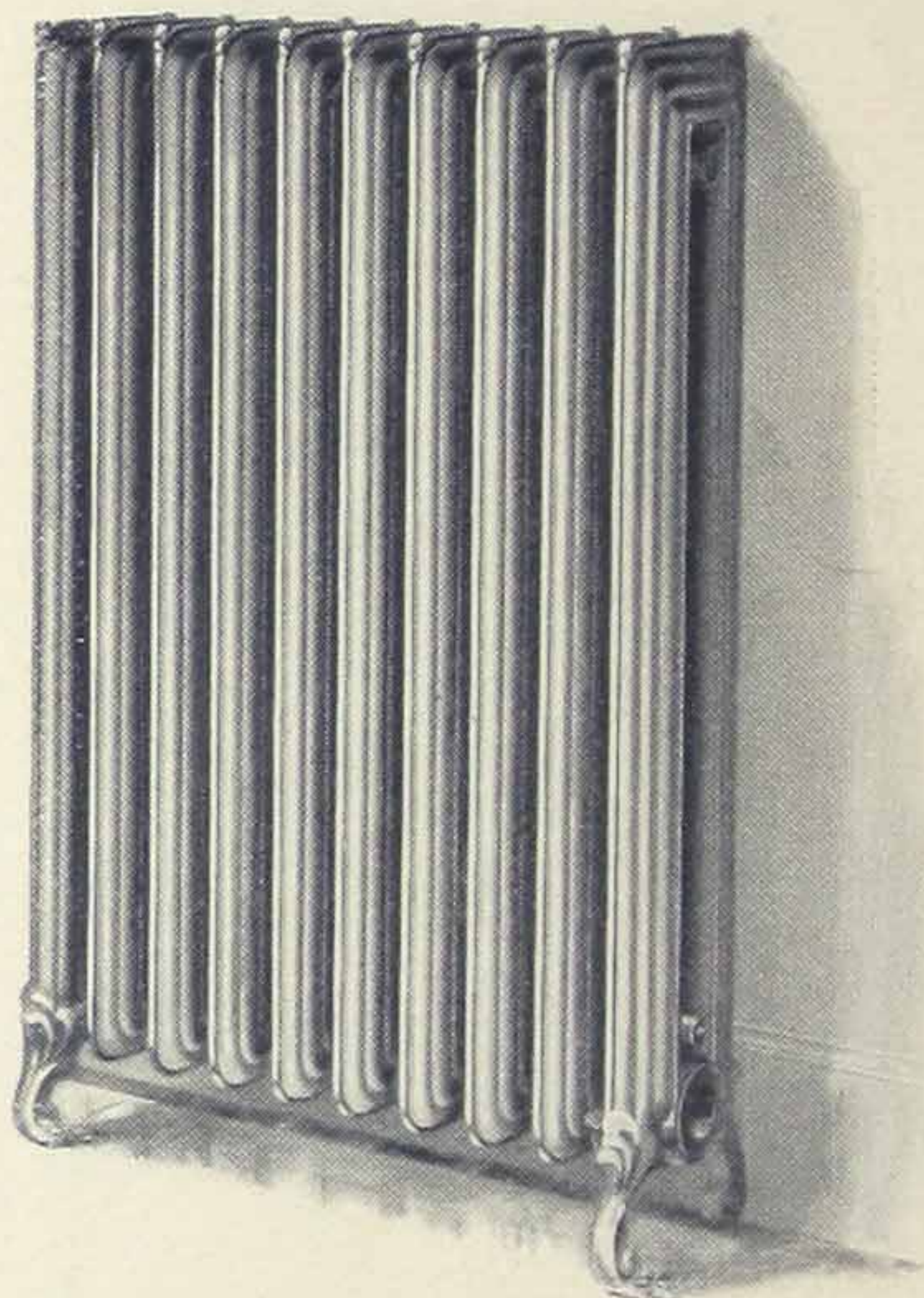
LIST OF SIZES.

Number of Sections.	Length in inches.	HEATING SURFACE, SQUARE FEET.		
		38 in. high. 3 sq. feet per Section.	32 in. high. 2½ sq. feet per Section.	26 in. high. 2 sq. feet per Section.
2	4	6	5	4
3	6	9	7½	6
4	8	12	10	8
5	10	15	12½	10
6	12	18	15	12
7	14	21	17½	14
8	16	24	20	16
9	18	27	22½	18
10	20	30	25	20

Width of Section, 5 inches; width across Feet, 5¾ inches.
 Distance from Floor to center of 1½ inch Tapping, 4⅜ inches.
 Distance from Floor to center of 1¼ inch Tapping, 4¼ inches.
 Distance from Floor to center of 1 inch Tapping, 4¼ inches.

MOTT'S FLUTED RADIATOR.

FOR STEAM OR WATER.



LIST OF SIZES.

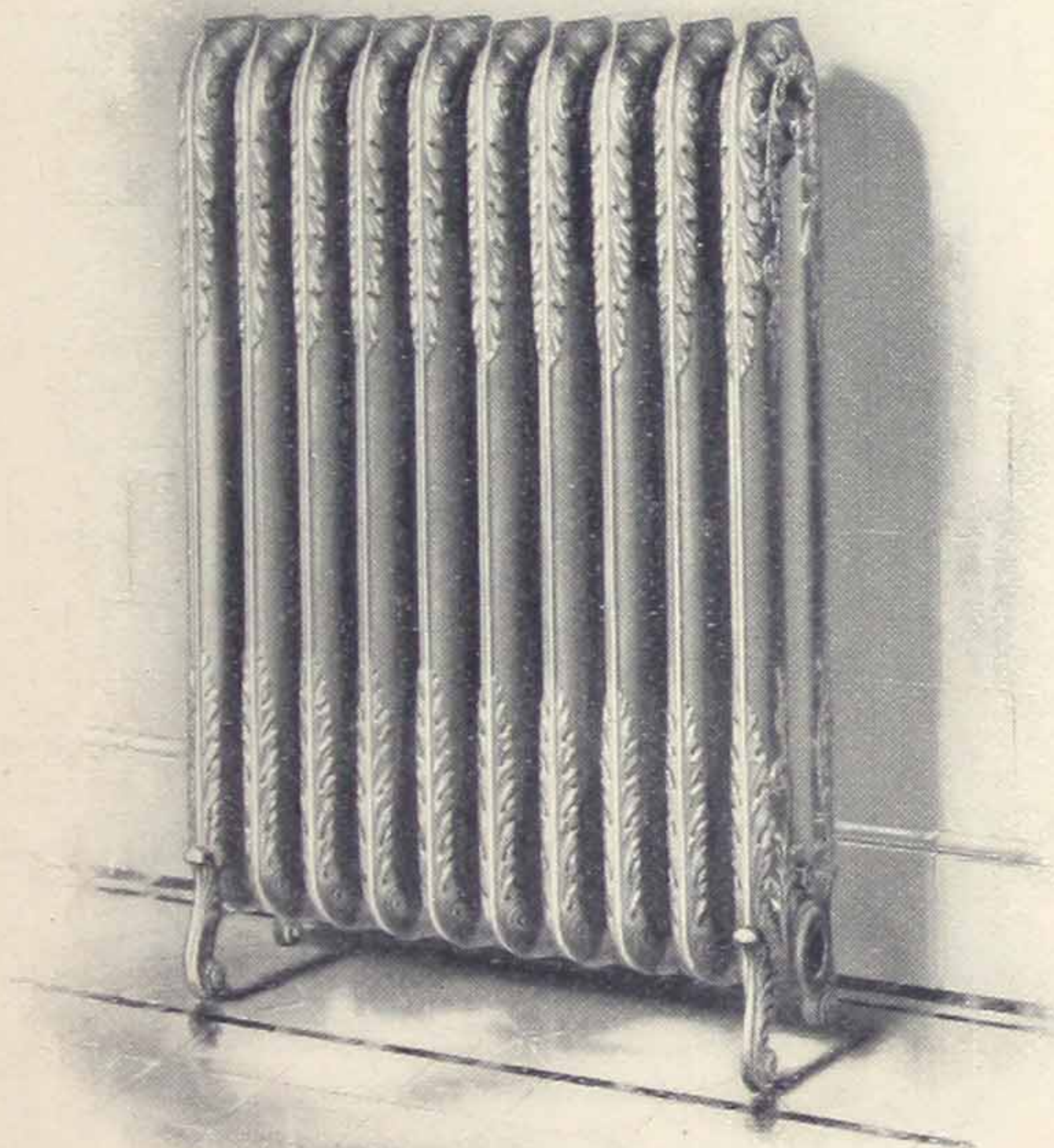
Number of Sections.	Length in inches.	HEATING SURFACE, SQUARE FEET.				
		45 in. high. 5 1/4 sq. feet per Section.	38 in. high. 4 1/4 sq. feet per Section.	32 in. high. 3 1/2 sq. feet per Section.	26 in. high. 2 3/4 sq. feet per Section.	20 in. high. 2 1/4 sq. feet per Section.
2	5	10 1/2	8 1/2	7	5 1/2	4 1/2
3	7 1/2	15 3/4	12 3/4	10 1/2	8 1/4	6 3/4
4	10	21	17	14	11	9
5	12 1/2	26 1/4	21 1/4	17 1/2	13 3/4	11 1/4
6	15	31 1/2	25 1/2	21	16 1/2	13 1/2
7	17 1/2	36 3/4	29 3/4	24 1/2	19 1/4	15 3/4
8	20	42	34	28	22	18
9	22 1/2	47 1/4	38 1/4	31 1/2	24 3/4	20 1/4
10	25	52 1/2	42 1/2	35	27 1/2	22 1/2

Width of Section, 7 3/4 inches; width across Feet, 8 1/4 inches.
Distance from Floor to center of 2 inch Tapping, 4 1/2 inches.
Distance from Floor to center of 1 1/2 inch Tapping, 4 1/4 inches.
Distance from Floor to center of 1 1/4 inch Tapping, 4 1/4 inches.
Distance from Floor to center of 1 inch Tapping, 4 1/4 inches.

MOTT'S SOLAR RADIATOR.

FOR STEAM OR WATER.

THE
J. L. MOTT
IRON
WORKS
J



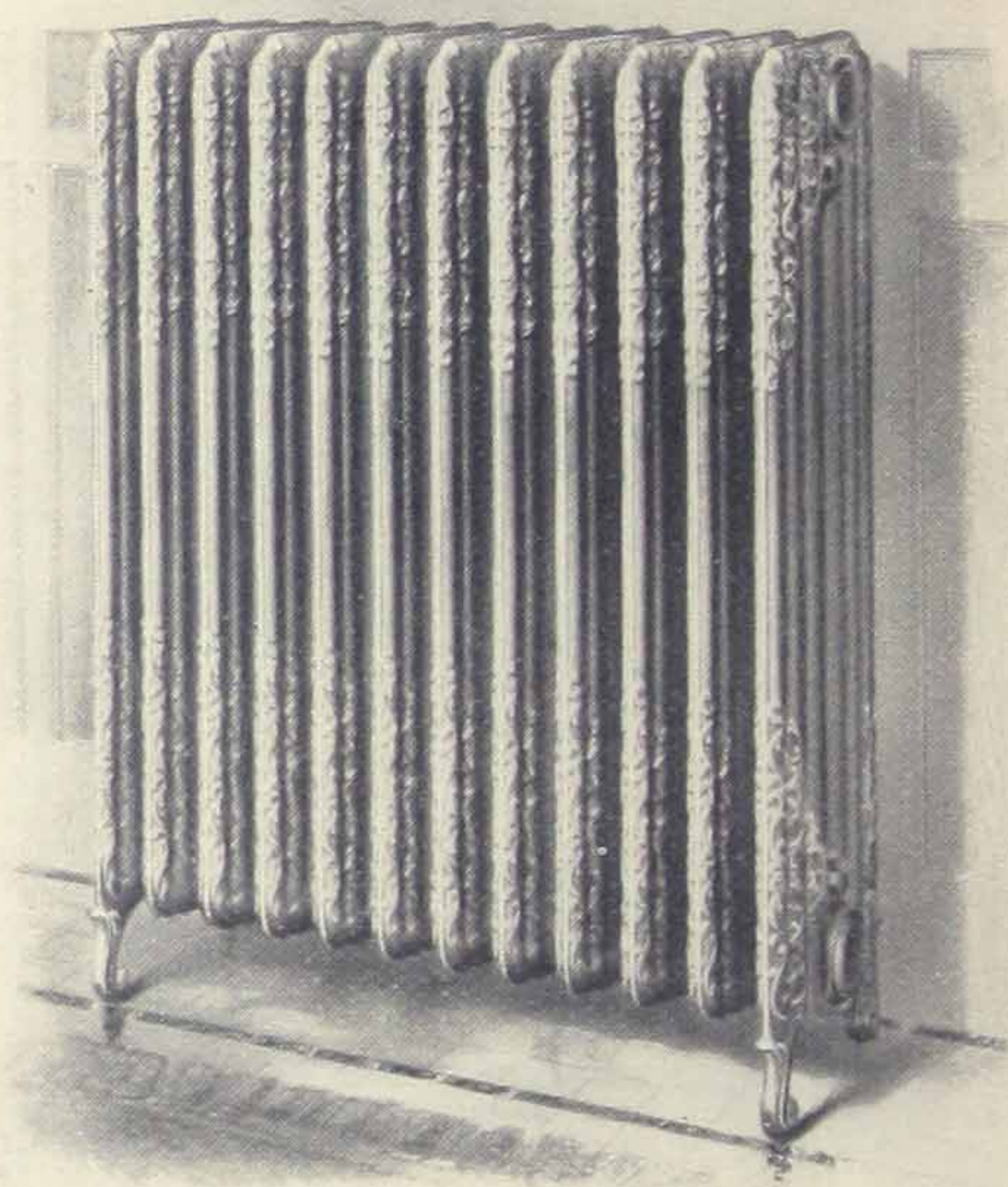
LIST OF SIZES.

Number of Sections.	Length in inches.	HEATING SURFACE, SQUARE FEET.			
		45 in. high. 5 sq. feet per Section.	38 in. high. 4 sq. feet per Section.	30 in. high. 3 $\frac{1}{3}$ sq. feet per Section.	26 in. high. 2 $\frac{2}{3}$ sq. feet per Section.
2	5	10	8	6 $\frac{2}{3}$	5 $\frac{1}{3}$
3	7 $\frac{1}{2}$	15	12	10	8
4	10	20	16	13 $\frac{1}{3}$	10 $\frac{2}{3}$
5	12 $\frac{1}{2}$	25	20	16 $\frac{2}{3}$	13 $\frac{1}{3}$
6	15	30	24	20	16
7	17 $\frac{1}{2}$	35	28	23 $\frac{1}{3}$	18 $\frac{2}{3}$
8	20	40	32	26 $\frac{2}{3}$	21 $\frac{1}{3}$
9	22 $\frac{1}{2}$	45	36	30	24
10	25	50	40	33 $\frac{1}{3}$	26 $\frac{2}{3}$

Width of Section, 7 $\frac{5}{8}$ inches; width across Feet, 8 $\frac{1}{2}$ inches.
 Distance from Floor to center of 2 inch Tapping, 4 $\frac{1}{8}$ inches.
 Distance from Floor to center of 1 $\frac{1}{2}$ inch Tapping, 3 $\frac{7}{8}$ inches.
 Distance from Floor to center of 1 $\frac{1}{4}$ inch Tapping, 3 $\frac{7}{8}$ inches.
 Distance from Floor to center of 1 inch Tapping, 3 $\frac{7}{8}$ inches.

MOTT'S STAR RADIATOR.

FOR STEAM OR WATER.



LIST OF SIZES.

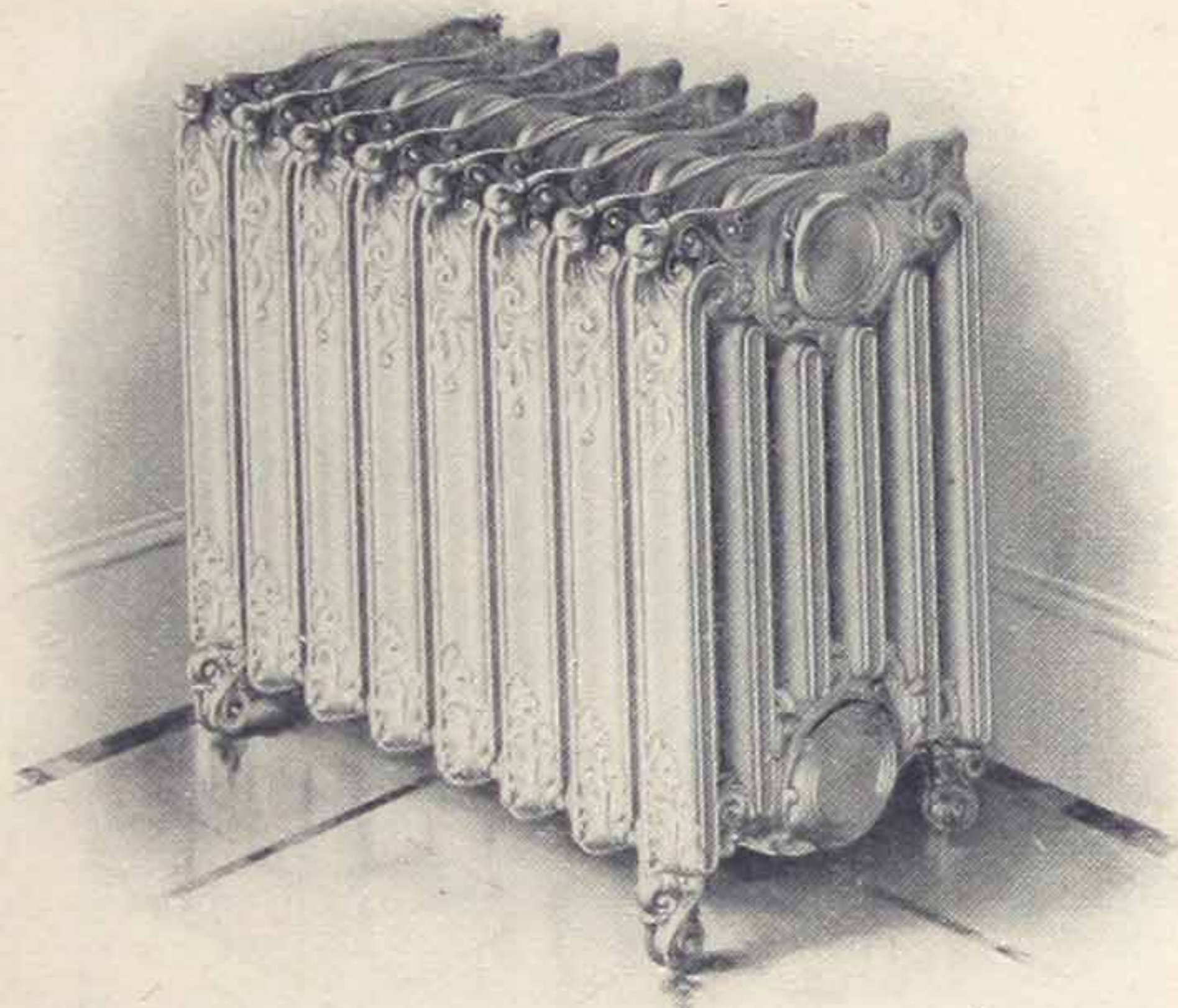
Number of Sections.	Length in inches.	HEATING SURFACE, SQUARE FEET.			
		38 in. high. 7 sq. feet per Section.	26 in. high. 5 sq. feet per Section	20 in. high. 4 sq. feet per Section.	15 in. high. 3 sq. feet per Section.
2	5	14	10	8	6
3	7½	21	15	12	9
4	10	28	20	16	12
5	12½	35	25	20	15
6	15	42	30	24	18
7	17½	49	35	28	21
8	20	56	40	32	24
9	22½	63	45	36	27
10	25	70	50	40	30

Width of Section, 12 inches; width across Feet, 12 inches.
Distance from Floor to center of 2 inch Tapping, 5 inches.
Distance from Floor to center of 1½ inch Tapping, 4¾ inches.
Distance from Floor to center of 1¼ inch Tapping, 4¾ inches.
Distance from Floor to center of 1 inch Tapping, 4¾ inches.

MOTT'S UTILITY RADIATOR.

FOR STEAM OR WATER.

THE
J.L.MOTT
IRON
WORKS
3



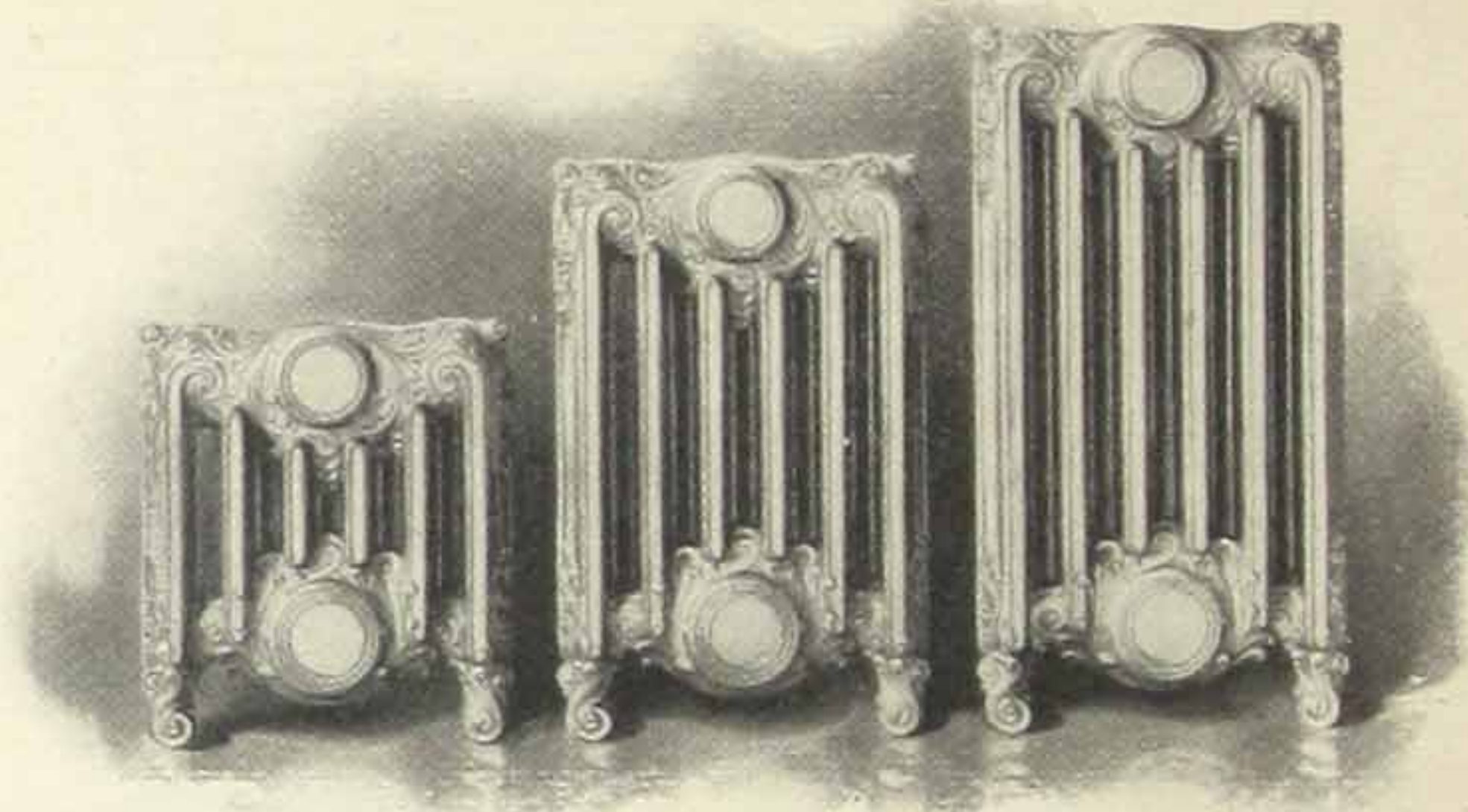
The most effective Radiator of its class.

LIST OF SIZES.

Number of Sections.	Length in inches.	HEATING SURFACE, SQUARE FEET.				
		26 in. high. 7 sq. feet per Section.	22 in. high. 6 sq. feet per Section.	18 in. high. 5 sq. feet per Section.	14 in. high. 4 sq. feet per Section.	13 in. high. 4 sq. feet per Section.
2	5½	14	12	10	8	8
3	8¼	21	18	15	12	12
4	11	28	24	20	16	16
5	13¾	35	30	25	20	20
6	16½	42	36	30	24	24
7	19¼	49	42	35	28	28
8	22	56	48	40	32	32
9	24¾	63	54	45	36	36
10	27½	70	60	50	40	40

Width of Section, 11 inches; width across Feet, 11¼ inches.
 Distance from Floor to center of 2 inch Tapping, 3 inches.
 Distance from Floor to center of 1½ inch Tapping, 2¾ inches.
 Distance from Floor to center of 1¼ inch Tapping, 2¾ inches.
 Distance from Floor to center of 1 inch Tapping, 2¾ inches.
 In 13 inch size distances are 1 inch less.

END SECTIONS OF MOTT'S UTILITY RADIATOR.



14, 18 AND 22-INCH.

Made also in 13-inch, which size has legs 1 inch shorter than the 14-inch pattern.

TAPPING FOR MOTT'S RADIATORS.

Unless otherwise ordered, all Radiators if for steam, will be tapped for one pipe system, with right hand threads according to the following table:

All Radiators containing 26 feet or under, 1 inch.

"	"	above 26 ft. but not exceeding 60 ft.	1 1/4 in.
"	"	" 60 "	" 1 1/2 "
"	"	" 112 "	2 in.

These tapplings will be the same size for water, or two-pipe steam; but in the case of two-pipe steam, the return will be tapped one size smaller.

If any other tapping is needed than regular, it should be clearly stated on the order. All tapplings are solid; no bushings are used unless specially ordered.

Top feed tapplings will be the following heights from floor to center of tapplings:

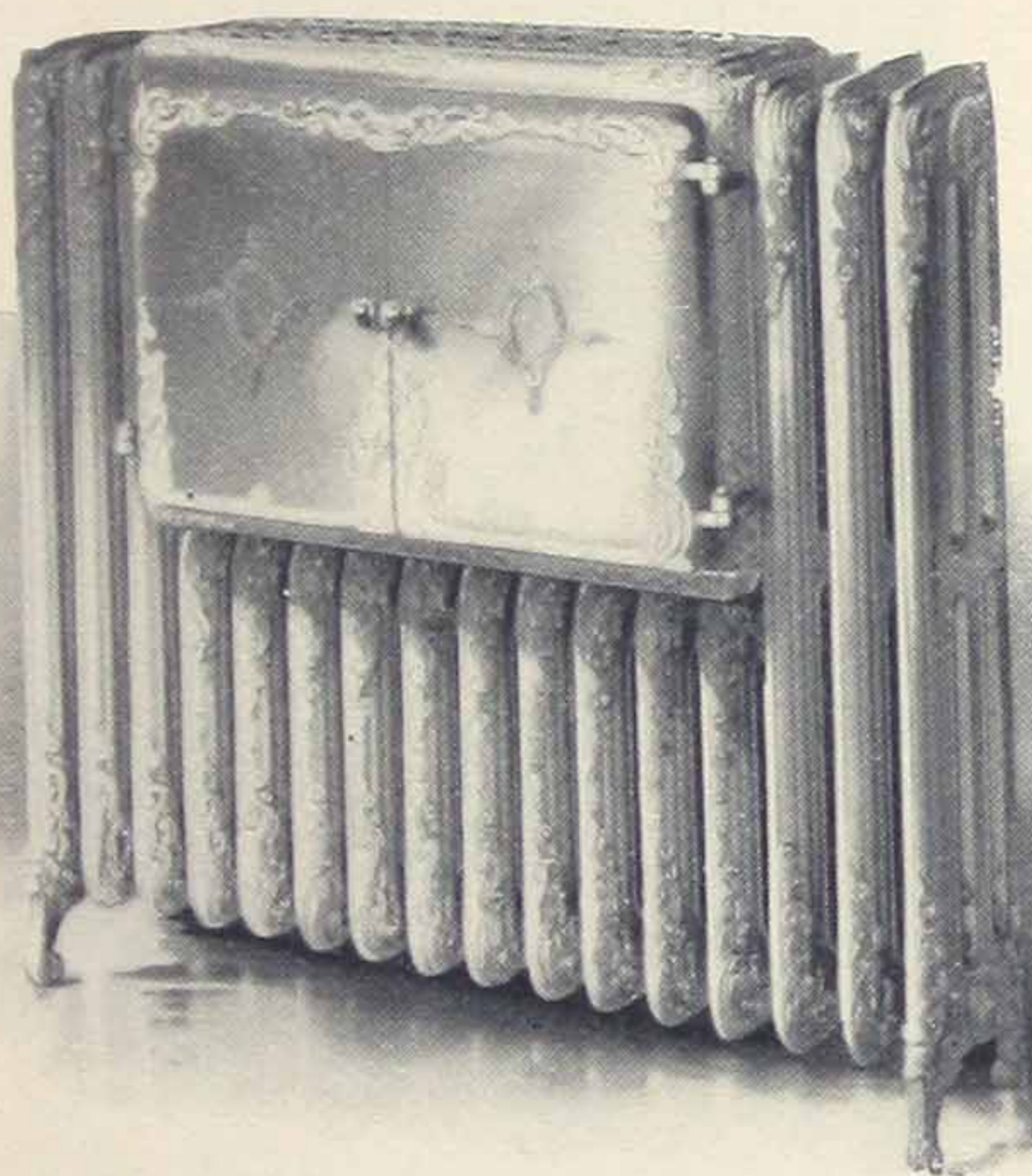
Height of Radiators:	45 in.	38 in.	32 in.	26 in.	20 in.
Three Column,	42 1/2 in.	35 1/2 in.	29 1/2 in.	23 1/2 in.	17 1/2 in.
Two Column,	43 1/4 in.	36 1/4 in.	30 1/4 in.	24 1/4 in.	18 1/4 in.

Radiators will be made with legs of any height that may be required at an additional price as given in the specialty list on page 25.

MOTT'S ROMAN DINING ROOM RADIATOR.

THE
J.L.MOTT
IRON
WORKS
3

FOR STEAM OR WATER.



A useful device for the warming of plates, etc., and heating the room at the same time.

Made in Three Column pattern only.

Ovens are all the same size, 24 × 11 × 16.

Height, 38½ inches.

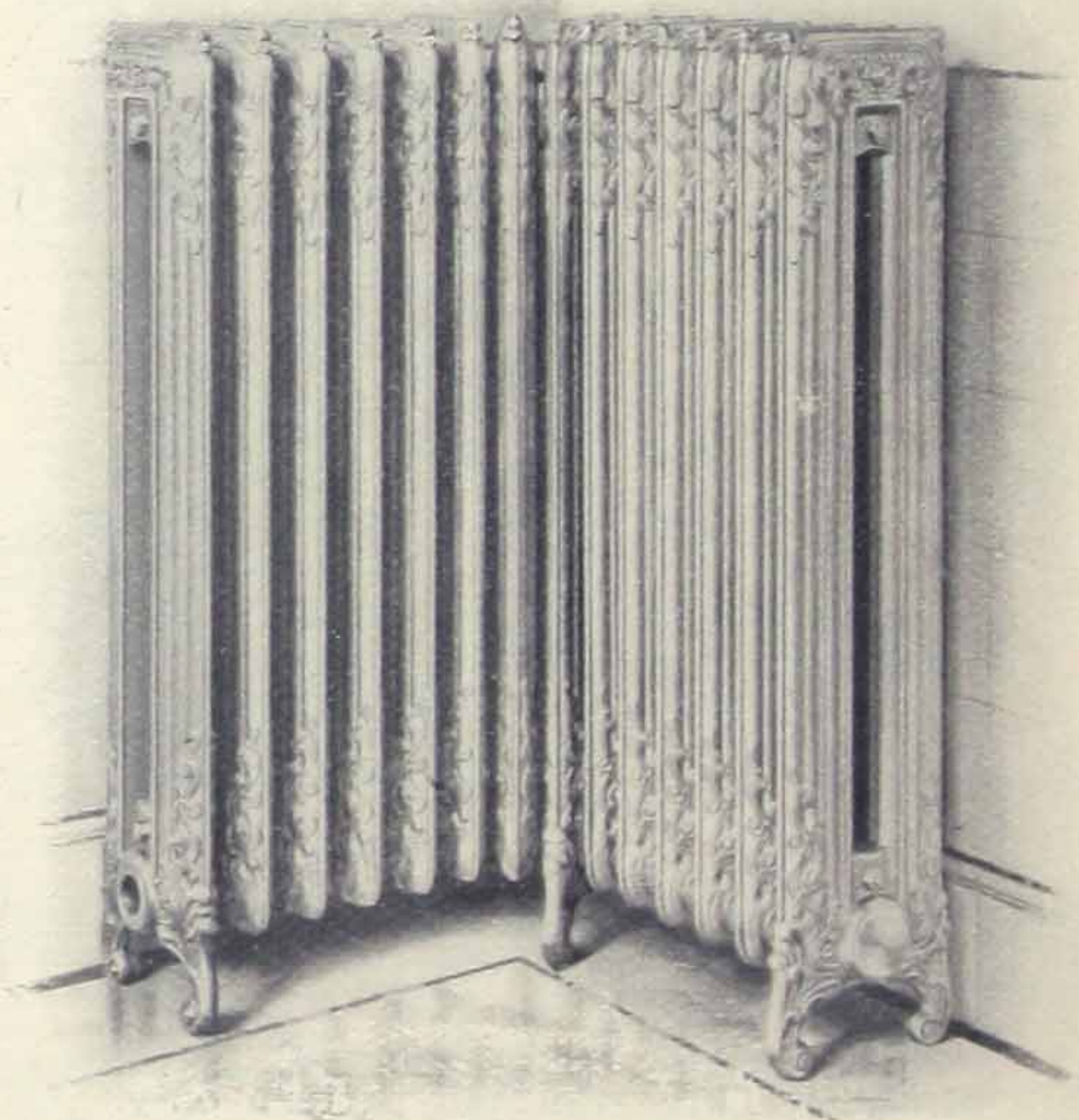
No.	1	2	3	4	5
Length in inches,	30	35	40	45	50
Heating surface, square ft.,	43½	54½	65½	76½	87½
Price, Water,	\$50 00	\$55 00	\$60 00	\$65 00	\$70 00
Price, Steam,	46 00	50 00	54 00	58 00	62 00

No.	6	7	8	9	10
Length in inches,	55	60	65	70	75
Heating surface, square ft.,	98½	109½	120½	131½	142½
Price, Water,	\$75 00	\$80 00	\$85 00	\$90 00	\$95 00
Price, Steam,	66 00	70 00	74 00	78 00	82 00

THE
J.L.MOTT
IRON
WORKS
3

MOTT'S ROMAN TWO COLUMN CORNER RADIATOR.

FOR STEAM OR WATER.



Four sections are needed to turn a corner, and as many regular sections as are required may be added.

Made also in Three Column, Single Column and Utility.

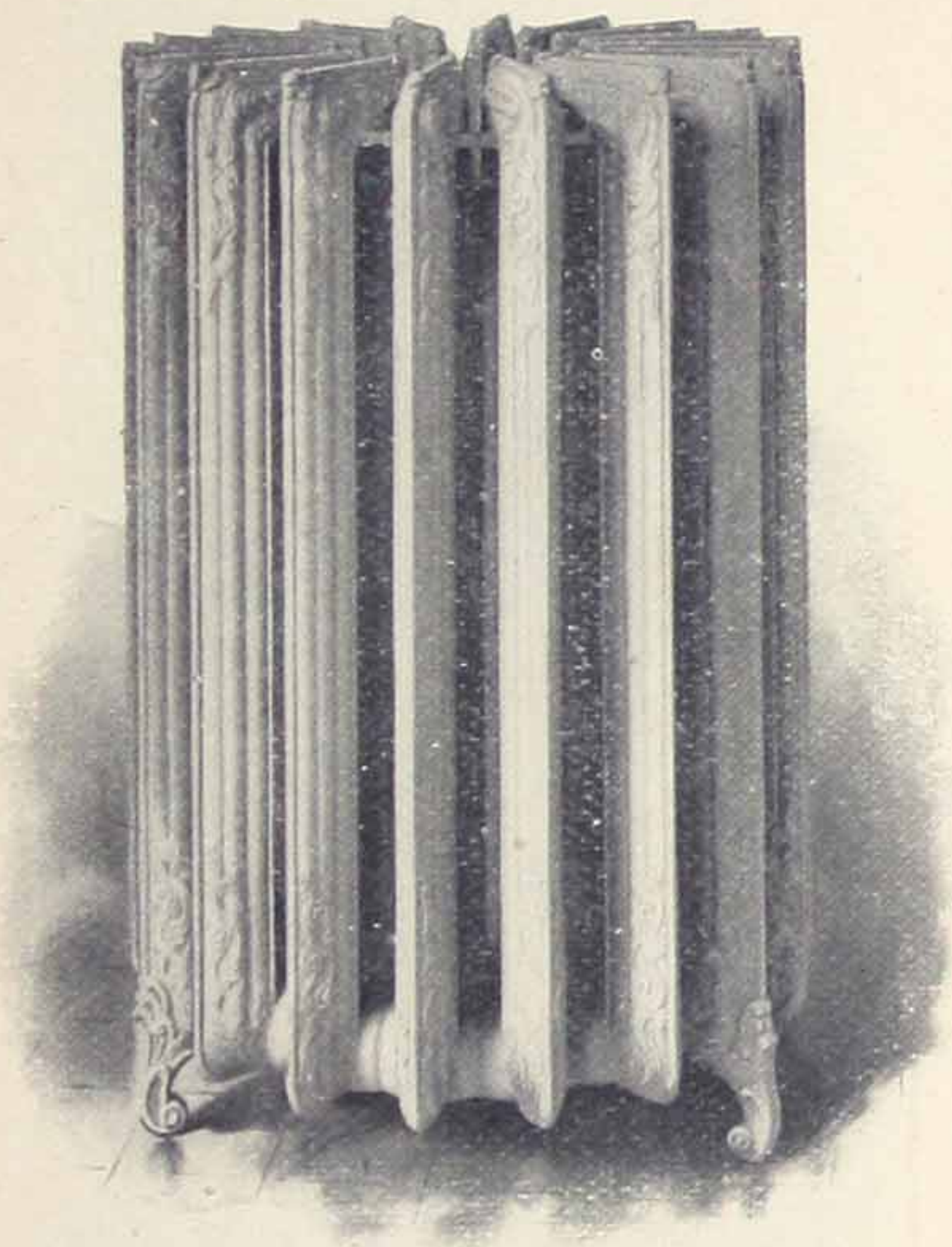
Space occupied by the four corner sections in Two Column pattern, $11\frac{1}{2}$ inches each way from the corner of the room.

In Three Column pattern,	$13\frac{1}{2}$ inches.
In Single Column,	$9\frac{1}{2}$ inches.
In Utility,	$20\frac{1}{2}$ inches.

In ordering curved or corner Radiators, always state which is the feed end as you face the Radiator when in position.

MOTT'S ROMAN CIRCULAR OR COLUMN RADIATOR.

THE
J.L.MOTT
IRON
WORKS
3



DIMENSIONS.

TWO COLUMN.

THREE COLUMN.

Number of Sections.	Inside Diameter at Legs.	Outside Diameter at Legs.	Number of Sections.	Inside Diameter at Legs.	Outside Diameter at Legs.
16	6 $\frac{1}{2}$	23 $\frac{1}{2}$	16	4 $\frac{1}{2}$	25
18	8 $\frac{1}{2}$	25 $\frac{1}{2}$	18	6 $\frac{1}{2}$	27
20	10 $\frac{1}{4}$	27 $\frac{1}{4}$	20	8 $\frac{1}{4}$	28 $\frac{3}{4}$
22	12 $\frac{1}{4}$	29 $\frac{1}{4}$	22	10 $\frac{1}{4}$	30 $\frac{3}{4}$
24	14 $\frac{1}{2}$	31	24	11 $\frac{1}{2}$	32 $\frac{1}{2}$
26	15 $\frac{1}{2}$	30 $\frac{1}{2}$	26	12 $\frac{3}{4}$	33 $\frac{1}{4}$
28	17	34	28	14 $\frac{1}{2}$	35
30	18 $\frac{1}{2}$	35 $\frac{1}{2}$	30	16 $\frac{1}{4}$	36 $\frac{3}{4}$
32	20	37	32	18	38 $\frac{1}{2}$
34	21 $\frac{1}{2}$	38 $\frac{1}{2}$	34	19 $\frac{3}{4}$	40 $\frac{1}{4}$
36	22 $\frac{1}{4}$	39 $\frac{1}{4}$	36	21 $\frac{1}{2}$	42
38	25	42	38	23 $\frac{1}{4}$	43 $\frac{3}{4}$
40	26 $\frac{1}{2}$	43 $\frac{1}{2}$			

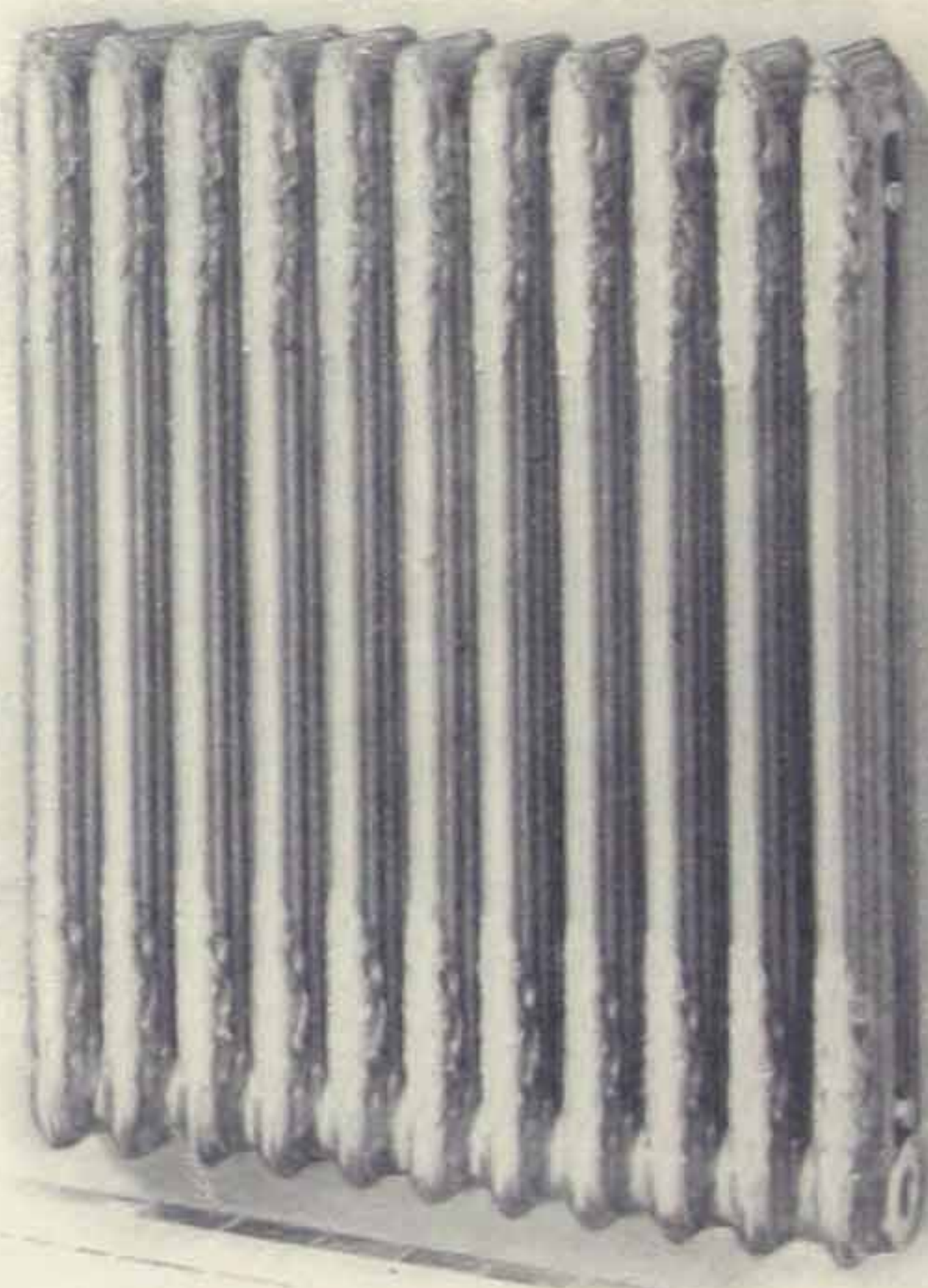
Circular Radiators are made in all the heights of each pattern. No less number of sections than given in list above can be used to form complete circle.

In ordering, always state whether Circular or if they are to fit around a column, as Circular Radiators are made in single piece, but Column Radiators are made in two pieces; also state if wanted for marble top.

THE
J.L. MOTT
IRON
WORKS
3

MOTT'S ROMAN SINGLE COLUMN WALL RADIATOR.

FOR STEAM OR WATER.



Set up by our system of concealed brackets.

Made in all the heights of the regular Radiator, also in two and three column and fluted patterns and can be adapted to any possible requirement.

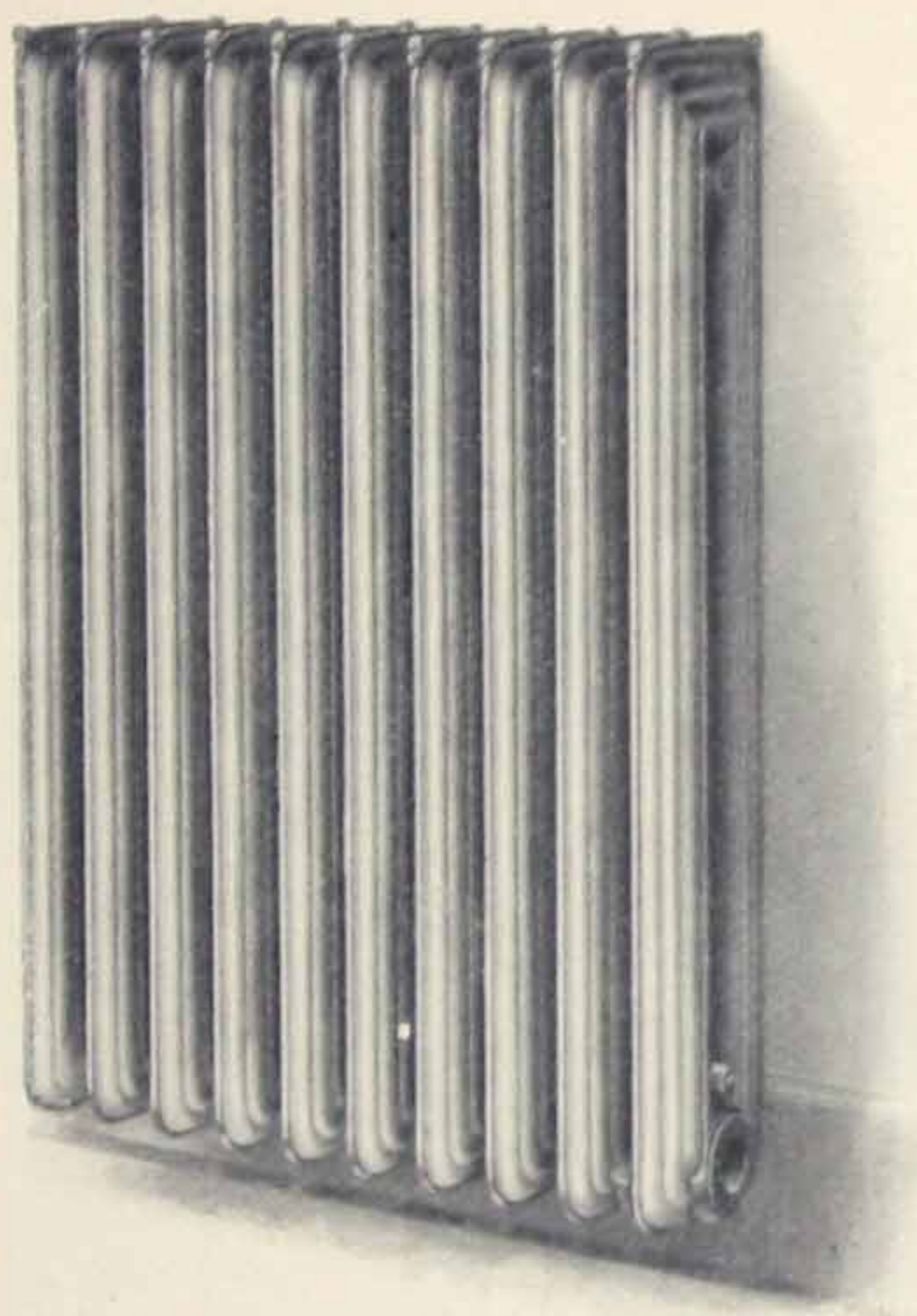
From center of tappings to wall or base in all Bracket Radiators, the distances are as follow: Three Column, 5 inches; Two Column, 4 inches: Single Column, $2\frac{3}{4}$ inches.

To set up Wall Radiators, it is necessary to put a wood plate on wall above the base board to come out flush with it. See that this base is securely fastened to a stud in the partition, then the Radiator will be as firm as if set on legs.

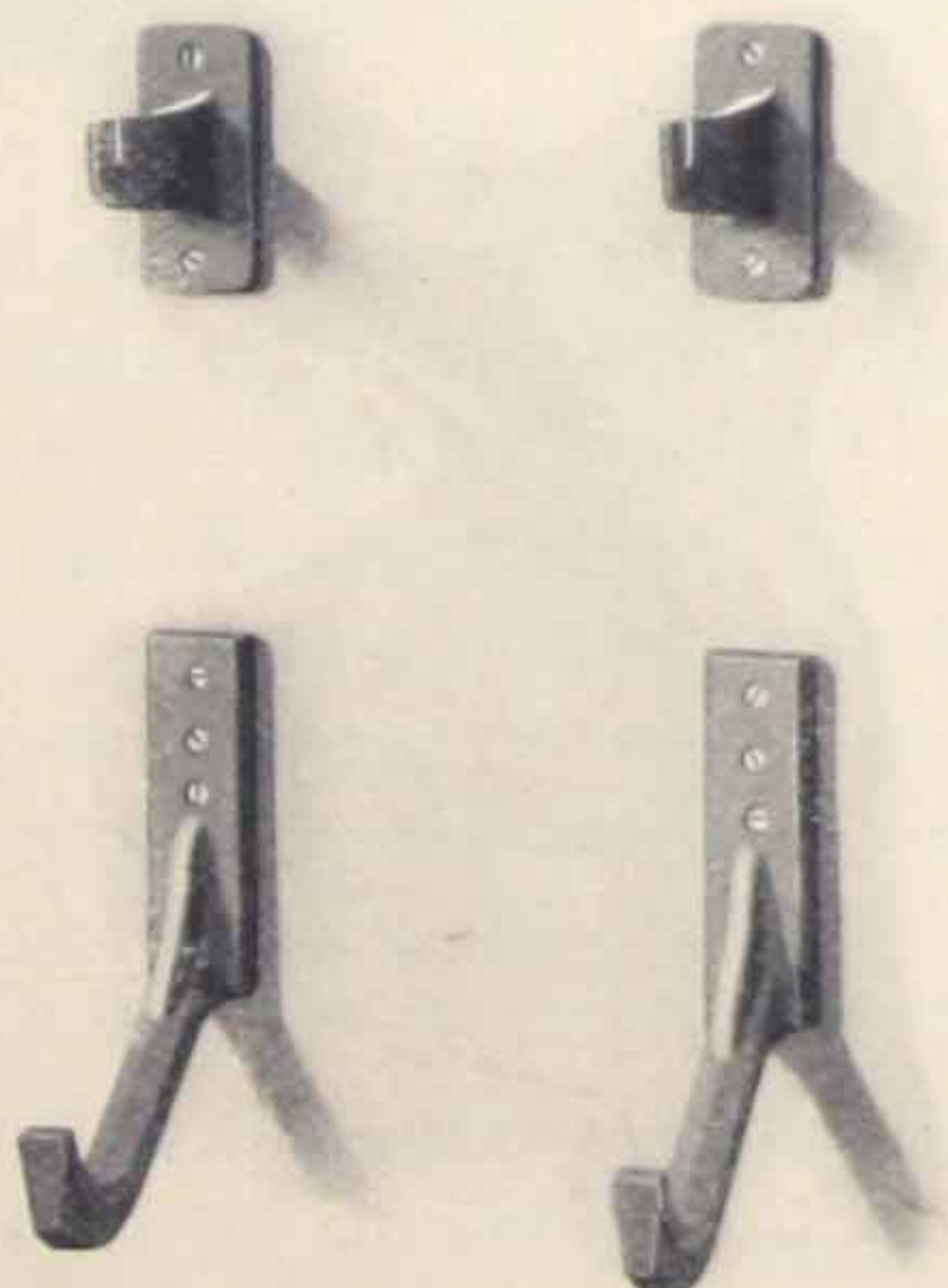
This system leaves the floor clear for the laying of carpets, cleaning, etc., and is a distinct advance in Radiator construction. It also simplifies the work and reduces the cost of connecting all upper floor Radiators.

MOTT'S FLUTED WALL RADIATOR.

THE
J.L.MOTT
IRON
WORKS
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Made also in Single Column.



MOTT'S RADIATOR WALL BRACKETS.

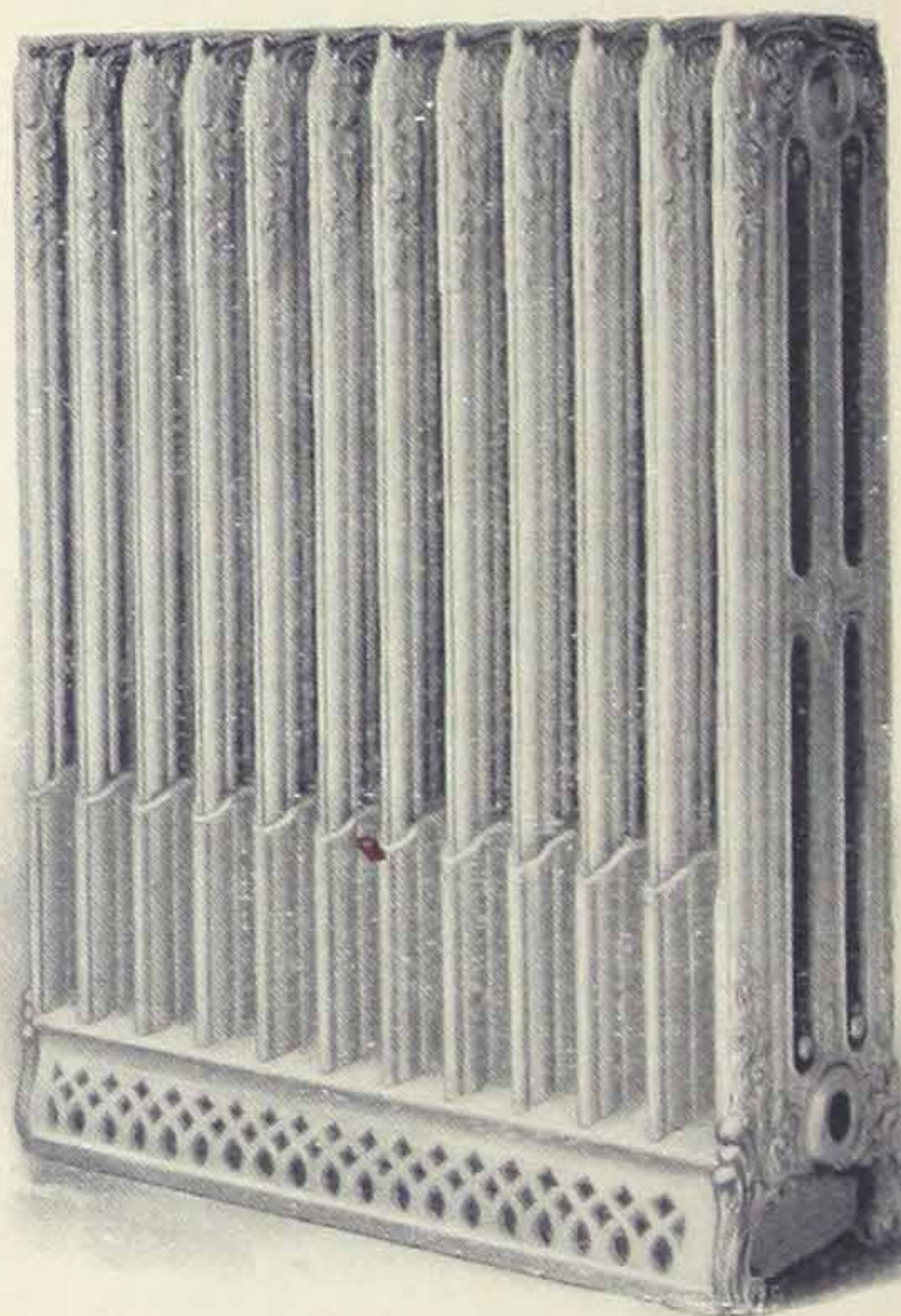
When Radiator is in place the Brackets are invisible.

THE
J.L.MOTT
IRON
WORKS

3

MOTT'S DIRECT-INDIRECT RADIATORS.

FOR STEAM OR WATER.



The above cut illustrates the Three Column Roman Radiator with ventilating base attached. The base detached is shown on following page. Bases made also for Two Column Roman, Star and Fluted pattern.

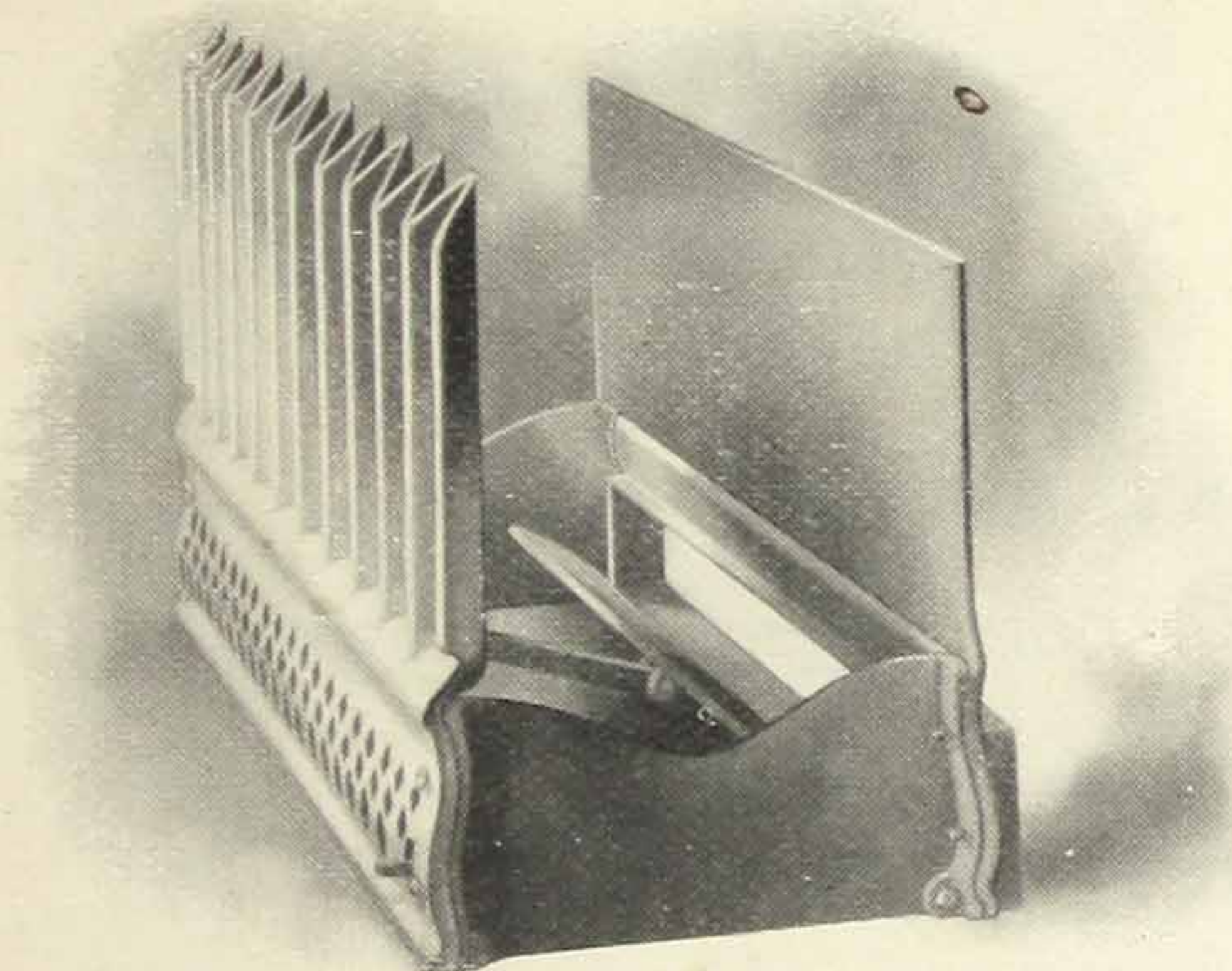
The base is bolted to a regular Radiator, and is far superior to flue radiation, as it allows three times as much air to pass between the sections. It is a ventilating Radiator, which is not true of the ordinary flue radiation through which sufficient air cannot pass to be of any actual value. The bases may be added to or taken from a Radiator any time, even while it is in use, without disconnecting pipes.

They are made to take the air in at the back of Radiator, above the floor. But it may be brought in from below the floor, a floor damper being used as illustrated on next page.

In ordering, it should always be clearly stated which way the air is to be brought in, from under the floor or at the back of the Radiator above the floor. If no directions are given, the regular pattern with collar above floor will be sent.

MOTT'S DIRECT-INDIRECT RADIATOR.

THE
J.L.MOTT
IRON
WORKS
3



Base detached.

DIMENSIONS.

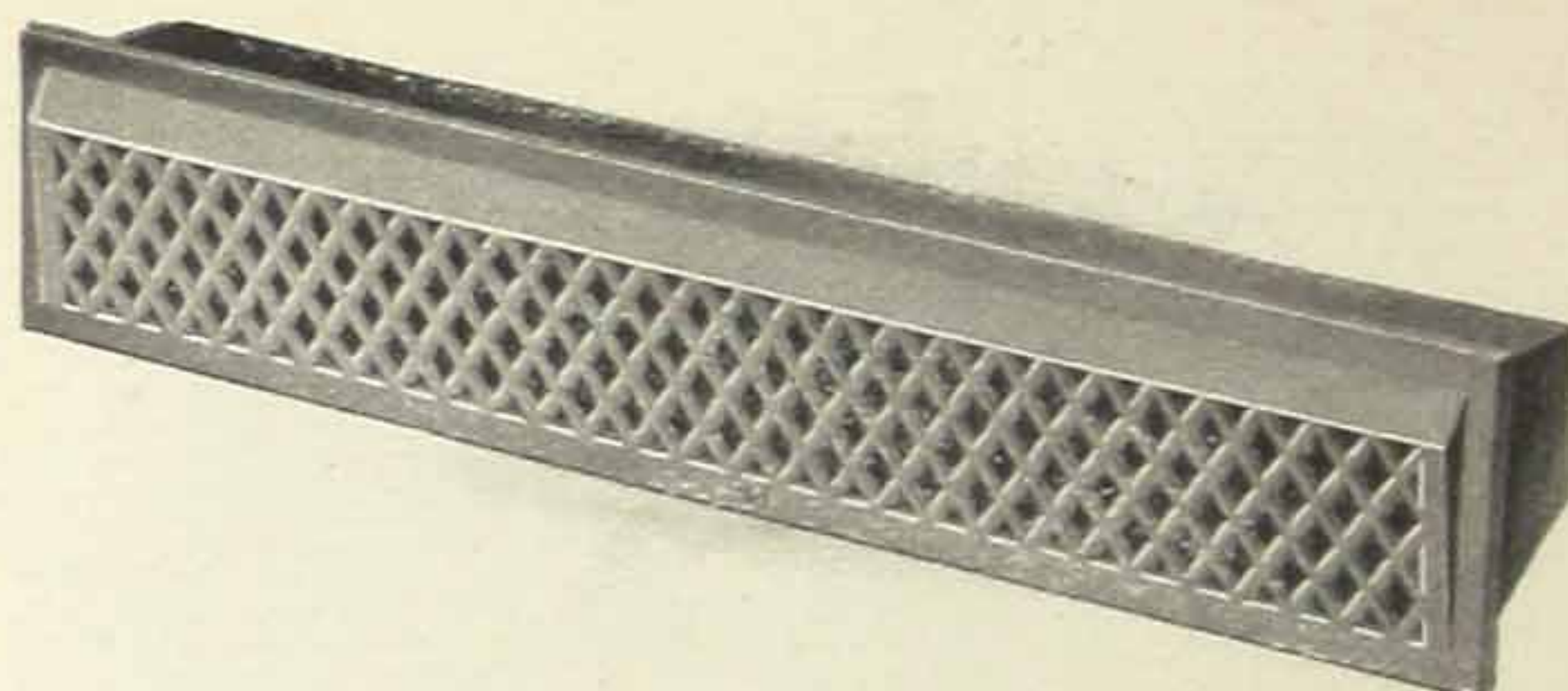
Size of Radiator.

Outside of Flange around
Back Air inlet for attach-
ing Sheet Iron Duct to.

5 Sections,	.	.	.	.	.	.	$8\frac{1}{2} \times 3\frac{1}{4}$
6 Sections,	.	.	.	.	.	.	$8\frac{1}{2} \times 3\frac{1}{4}$
7 Sections,	.	.	.	.	.	.	$12\frac{1}{2} \times 3\frac{1}{4}$
8 Sections,	.	.	.	.	.	.	$12\frac{1}{2} \times 3\frac{1}{4}$
9 Sections,	.	.	.	.	.	.	$17\frac{1}{2} \times 3\frac{1}{4}$
10 Sections,	.	.	.	.	.	.	$17\frac{1}{2} \times 3\frac{1}{4}$
11 Sections,	.	.	.	.	.	.	$17\frac{1}{2} \times 3\frac{1}{4}$
12 Sections,	.	.	.	.	.	.	$21\frac{3}{4} \times 3\frac{1}{4}$
13 Sections,	.	.	.	.	.	.	$21\frac{3}{4} \times 3\frac{1}{4}$
14 Sections,	.	.	.	.	.	.	$21\frac{3}{4} \times 3\frac{1}{4}$
15 Sections,	.	.	.	.	.	.	$21\frac{3}{4} \times 3\frac{1}{4}$
16 Sections,	.	.	.	.	.	.	$21\frac{3}{4} \times 3\frac{1}{4}$
17 Sections,	.	.	.	.	.	.	$21\frac{3}{4} \times 3\frac{1}{4}$

NOTE—All Radiators of eighteen or more sections may be fitted with two bases, one on either side of middle leg section, or a small base may be placed under center of Radiator using two intermediate leg sections, one at either end of base. This applies to floor dampers also. In ordering it should always be clearly stated which construction is wanted.

MOTT'S WALL BOX FOR DIRECT-INDIRECT.



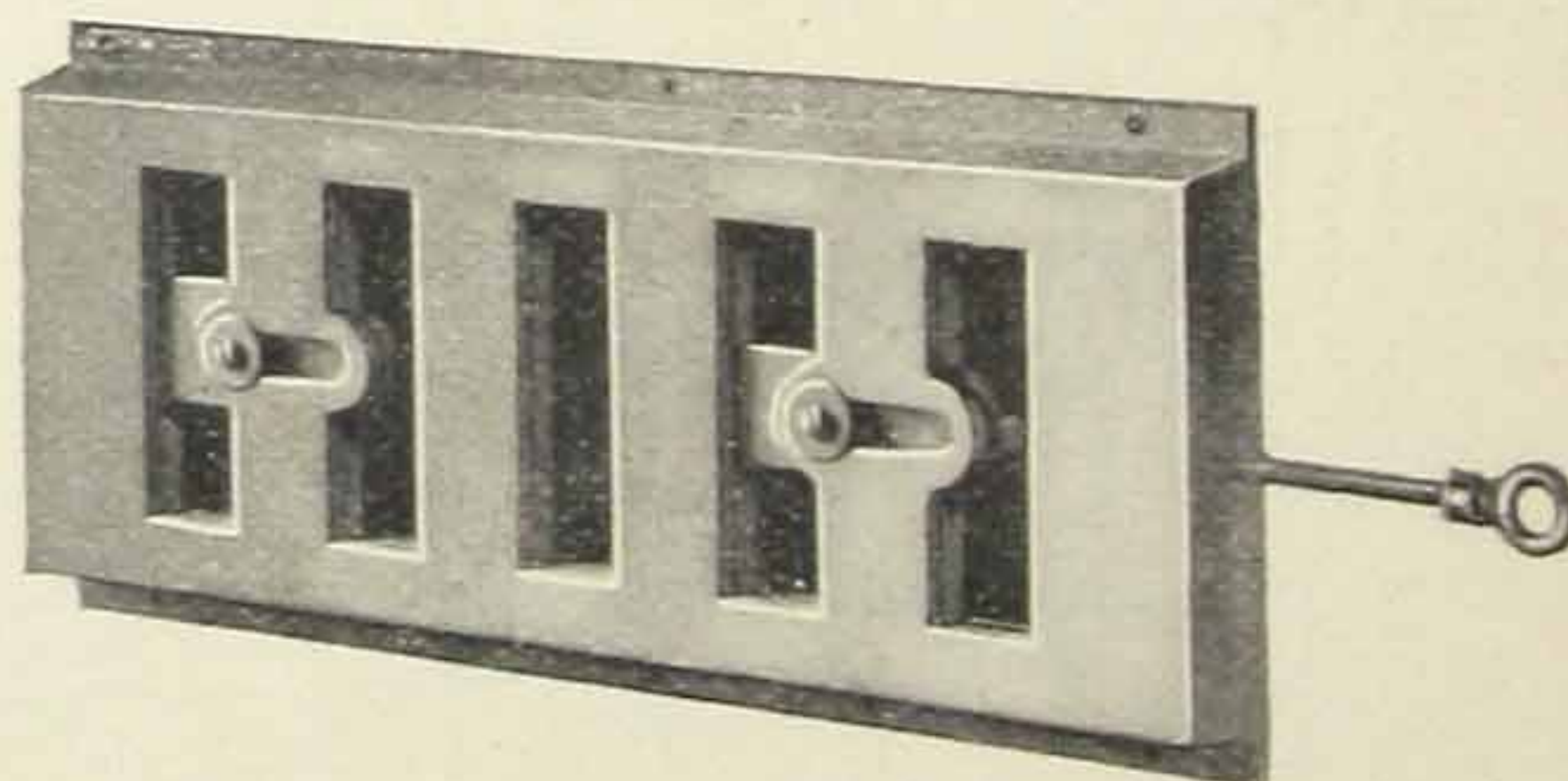
A perfect device for letting in fresh air and keeping out snow or rain.

DIMENSIONS AND PRICES.

For D.I. bases from	5 to 6 sec. inclusive.	7 to 8 sec. inclusive.	9 to 11 sec. inclusive.	12 to 17 sec. inclusive.
Size for opening in brick work,	$8\frac{1}{2} \times 5$	$12\frac{1}{2} \times 5$	$17\frac{1}{2} \times 5$	$21\frac{3}{4} \times 5$
Size of collar for galv'd iron,	$8\frac{1}{2} \times 3\frac{1}{4}$	$12\frac{1}{2} \times 3\frac{1}{4}$	$17\frac{1}{2} \times 3\frac{1}{4}$	$21\frac{3}{4} \times 3\frac{1}{4}$
List price, each	\$2 00	\$2 50	\$3 00	\$3 50

The openings in wall boxes are uniform in size with those in bases.

MOTT'S RADIATOR AND VENTILATING FLOOR DAMPER.



For direct-indirect fresh air openings entering under radiator.

Sizes,	$8\frac{1}{2} \times 13\frac{1}{2}$	$8\frac{1}{2} \times 15\frac{1}{2}$	$8\frac{1}{2} \times 19\frac{1}{2}$	$8\frac{1}{2} \times 23\frac{1}{2}$
Area of fresh air openings, sq. inches,	18	26	34	45
Price,	\$1 50	\$1 75	\$2 00	\$2 25
Sizes,	$8\frac{1}{2} \times 29\frac{1}{2}$	$8\frac{1}{2} \times 36\frac{1}{2}$	$8\frac{1}{2} \times 39\frac{1}{2}$	
Area of fresh air openings, sq. inches,	65	85	100	
Price,	\$2 50	\$2 75	\$3 00	

When ordering be sure to specify proper size damper to correspond with direct-indirect base wanted.

See note foot of page 21.

MOTT'S PRIME SURFACE INDIRECT RADIATOR.

THE

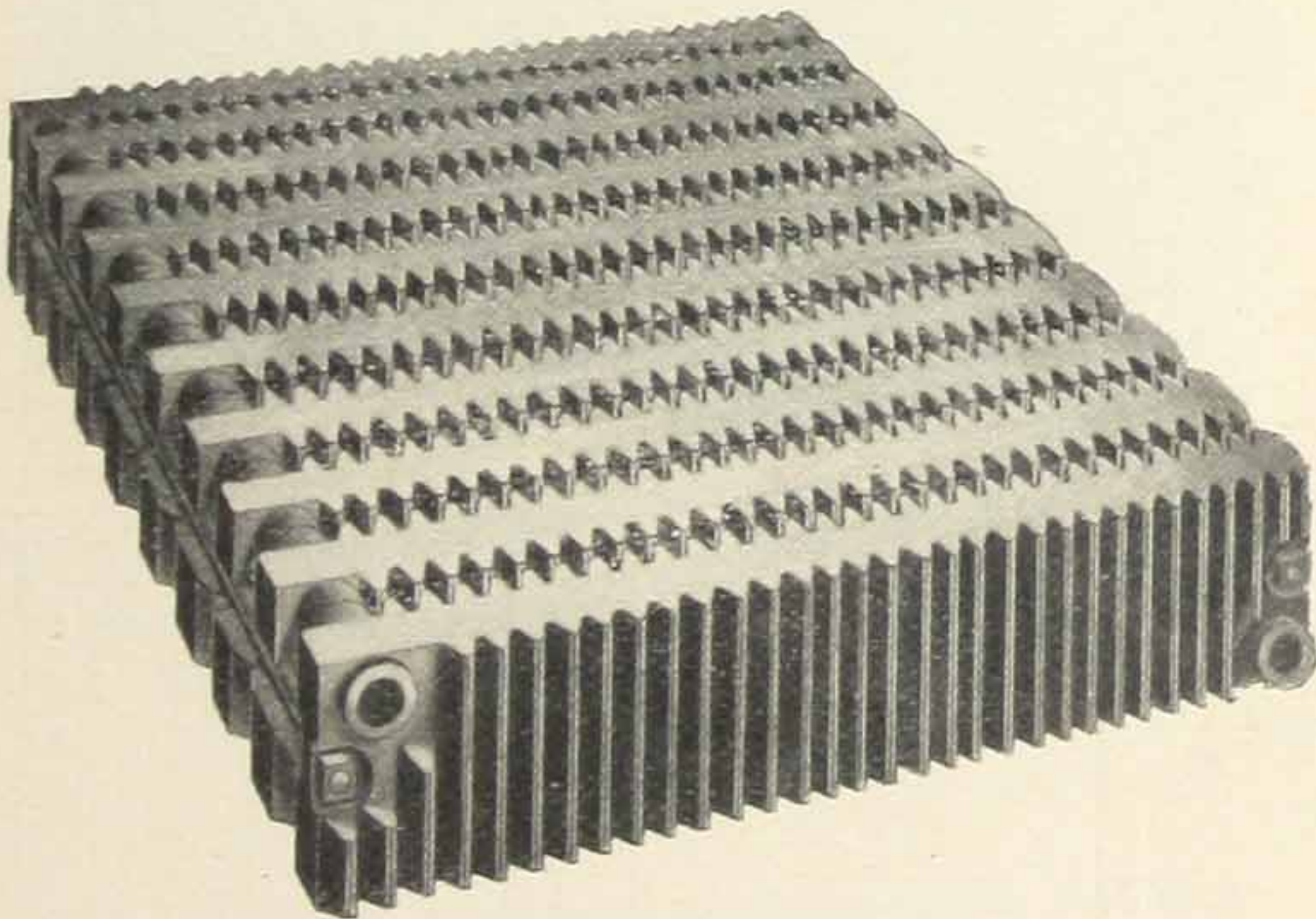
J.L.MOTT

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3

FOR STEAM OR WATER.



All surface is backed by water or steam.

DIMENSIONS.

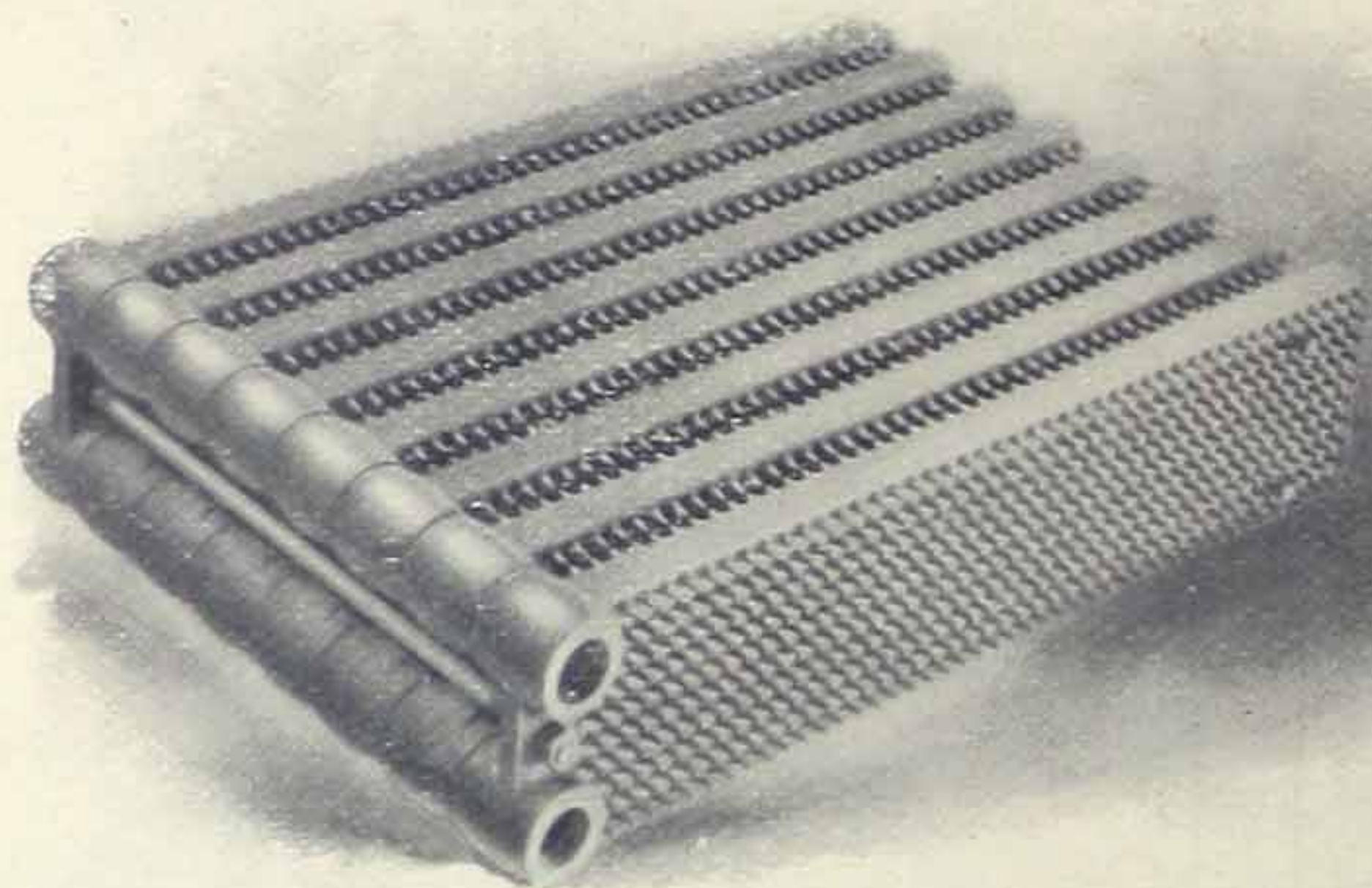
Length of Section,	36 inches.
Depth of Section,	11⅝ inches.
Distance from center to center,	3½ inches.

Each Section contains 12 square feet of heating surface.

See Note foot of page 25.

MOTT'S PIN INDIRECT RADIATOR.

FOR STEAM OR WATER.



Made in three sizes, containing 10, 15 and 20 square feet of heating surface. respectively.

DIMENSIONS.

10 FOOT SECTION.

Length of Section,		36 inches.
Depth of Section,		7 ⁵ / ₈ inches.
Depth from out to out of hubs,		8 ⁵ / ₈ inches.
Distance from center to center,		3 inches.

15 FOOT SECTION.

Length of Section,		36 inches.
Depth of Section,		10 ⁵ / ₈ inches.
Depth from out to out, of hubs,		11 ⁵ / ₈ inches.
Distance from center to center,		3 inches.

20 FOOT SECTION.

Length of Section,		42 inches.
Depth of Section,		12 inches.
Depth from out to out of hubs,		12 ⁵ / ₈ inches.
Distance from center to center,		4 inches.

See Note foot of page 25.

MOTT'S RADIATOR PRICE LIST.

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FOR ALL DIRECT RADIATORS.

Height, .	45 in.	38 in.	32 in.	30 in.	26 in.	22 in.
Price per foot,	.41	.42	.46	.46	.49	.53
Height, .	20 in.	18 in.	15 in.	14 in.	13 in.	
Price per foot,	.57	.58	.62	.64	.66	

SPECIALTIES, EXTRA PER SECTION.

	High Legs.	Column.	Curved.	Window.	Stairway.
Steam, .	.50	.58	.58	.16	.34
Water, .	.50	.92	.92	.32	.68
	Saddles for Marble Tops per pair.		Wall Brackets per set.		Direct-Indirect Base with Damper.
Steam, .	\$1 00		\$1 00		.50
Water, .	\$1 00		\$1 00		.50

Corner Radiator for steam, each Radiator \$4.00.

Corner Radiator for water, each Radiator \$4.50.

PRICE LIST OF INDIRECT RADIATORS.

Mott's Pin Indirect, 10 square feet, per section, .	\$2 70
" " " 15 " " " " .	4 05
" " " 20 " " " " .	5 40
Mott's Prime Surface Indirect, 12 square feet, per section, .	3 24

NOTE: All Indirect Radiators may be made up into stacks, if so desired, at a uniform charge of one cent per foot, net.

Unless otherwise ordered, Indirect Radiators are shipped in separate sections with bolts for putting together.

In ordering Indirect Radiators, always specify the number of stacks needed, so that the proper number of end sections may be shipped, and also the number of sections in each stack that proper bolts may be sent.

MOTT'S STEAM RADIATOR VALVES.



MOTT'S STEAM RADIATOR VALVES, COMPOSITION DISC, NICKEL-PLATED ALL OVER.

WITH UNION.

Size, .	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
Price, .	\$3 80	\$4 75	\$6 40	\$8 10	\$13 10

WITHOUT UNION.

Size, .	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
Price, .	\$2 85	\$3 65	\$4 90	\$6 75	\$11 00

MOTT'S CORNER STEAM RADIATOR VALVES, NICKEL-PLATED ALL OVER.

WITH UNION.

Size, .	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
Price, .	\$4 20	\$5 25	\$7 05	\$8 95	\$14 45

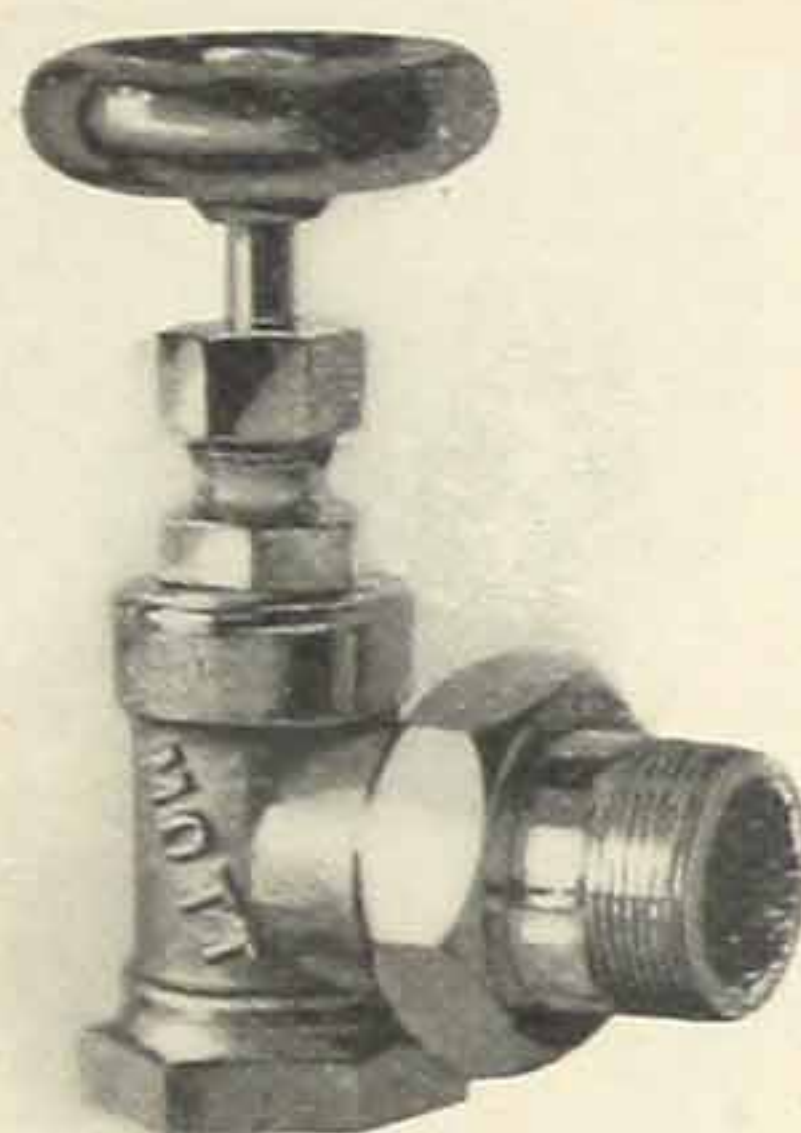
WITHOUT UNION.

Size, .	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
Price, .	\$3 15	\$4 00	\$5 50	\$7 50	\$12 10

In all corner valves, the female thread may be tapped left hand if so ordered.

MOTT'S QUICK OPENING WATER RADIATOR VALVES, AND UNION ELBOWS.

THE
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WITH UNION.

Size,	¾ in.	1 in.	1¼ in.	1½ in.	2 in.
Price,	\$2 85	\$3 65	\$5 05	\$7 10	\$10 85

WITHOUT UNION.

Size,	¾ in.	1 in.	1¼ in.	1½ in.	2 in.
Price,	\$1 95	\$2 65	\$3 70	\$5 00	\$7 75

MOTT'S ALL BRASS NICKEL-PLATED UNION ELBOWS.

Size,	¾ in.	1 in.	1¼ in.	1½ in.	2 in.
Price,	\$2 00	\$2 50	\$3 20	\$4 00	\$7 00

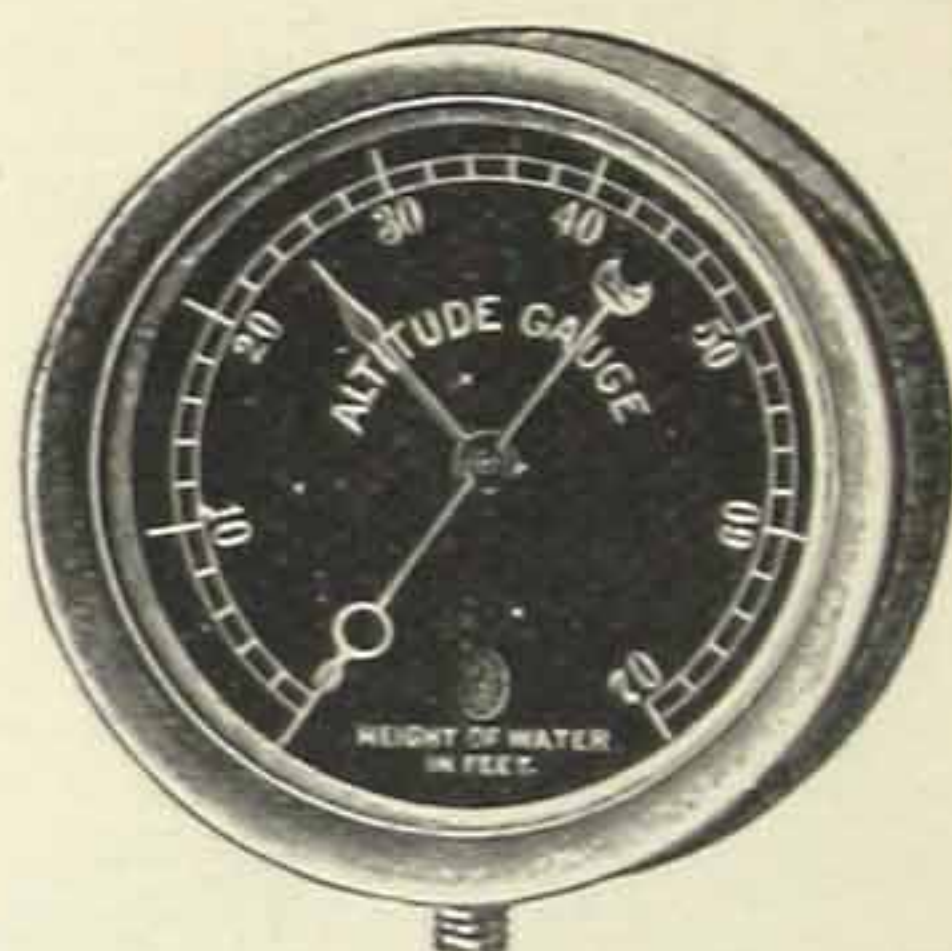
AUTOMATIC AIR VALVES, ALL NICKEL-PLATED.

Thermo Automatic, for Steam,	.	.	.	.	per dozen, \$12 00
Russell's Automatic,	.	.	.	.	" 15 00
Jenkin's Automatic,	.	.	.	.	" 9 50
Jenkin's Drip Cups,	.	.	.	.	" 3 00
Positive and Automatic,	.	.	.	.	" 7 50

POSITIVE AIR VALVES, FOR HOT WATER OR STEAM.

Wood Wheel,	.	.	.	.	per dozen, \$3 00
With Loose Key, two keys in each box of 12,	.	.	.	.	" 3 00
Extra Keys,	.	.	.	.	" 1 00

MOTT'S STANDARD ALTITUDE GAUGE.



For indicating the height of water in the Expansion Tank of a heating apparatus.

The figures indicate the height of water in feet. The red hand is put stationary at point where it is desirable to keep the water level; any deviation of the movable hand indicates the change in level of the water.

Price, \$3 50

MOTT'S MERCURY BATH THERMOMETER.

Will accurately indicate the temperature of the water in any water heating system.

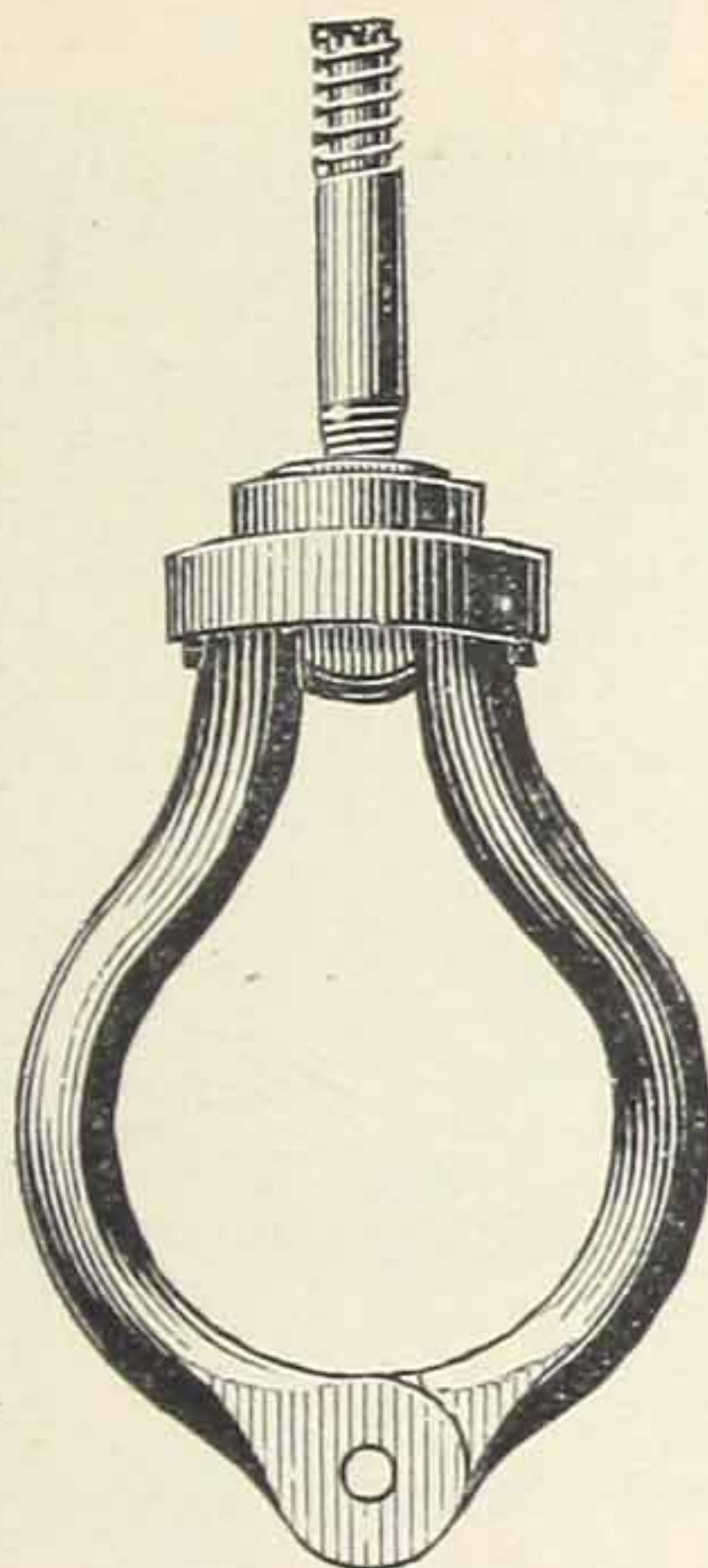
Price, \$3 00

MOTT'S BRONZE AND BRONZE LIQUID.

Rich Gold Bronze, per pound,	.	.	.	.	.	.	\$1 20
Pale Gold Bronze,	"	.	.	.	.	.	1 20
Copper Bronze,	"	.	.	.	.	.	1 40
Fire Bronze,	"	.	.	.	.	.	1 40
Aluminum, per pound, in half-pound cans,	.	.	.	.	.	.	3 00
Bronze Liquid, per gallon, in quart cans,	.	.	.	.	.	.	2 00
" " " half-gallon cans,	.	.	.	.	.	.	1 80
" " " gallon cans,	.	.	.	.	.	.	1 60

MOTT'S "FAMOUS" PIPE HANGER.

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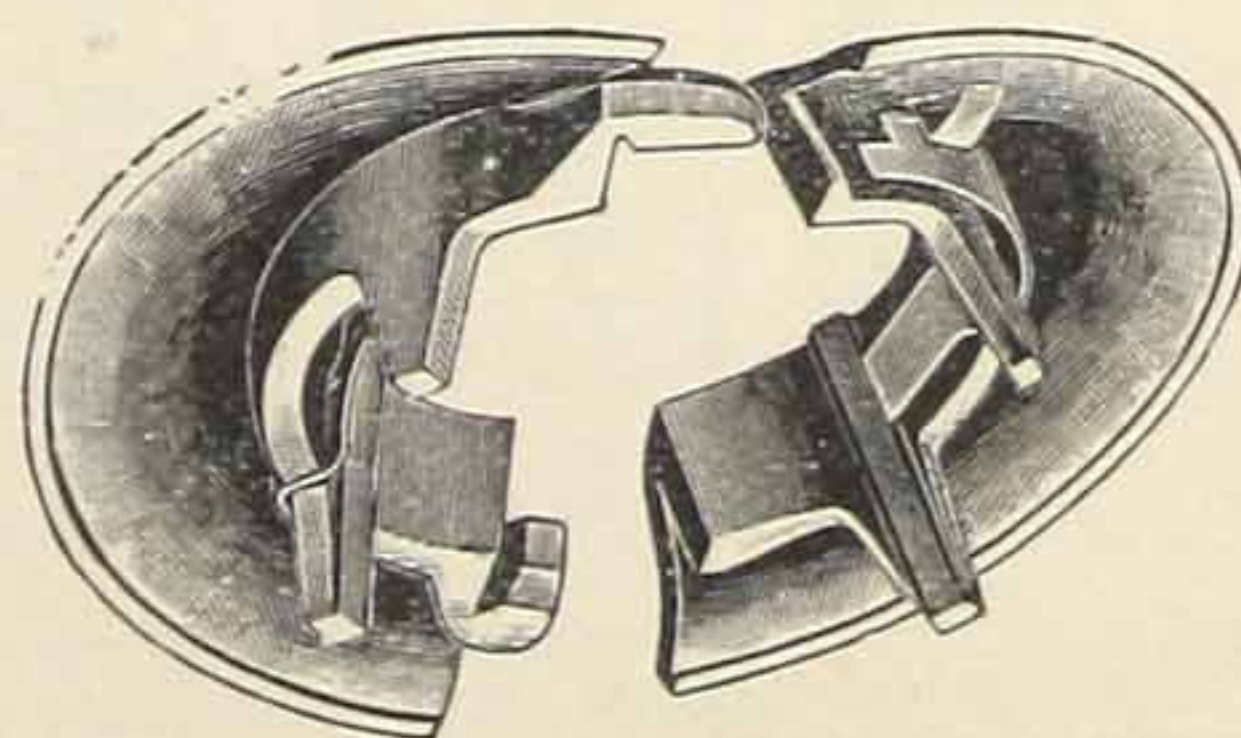
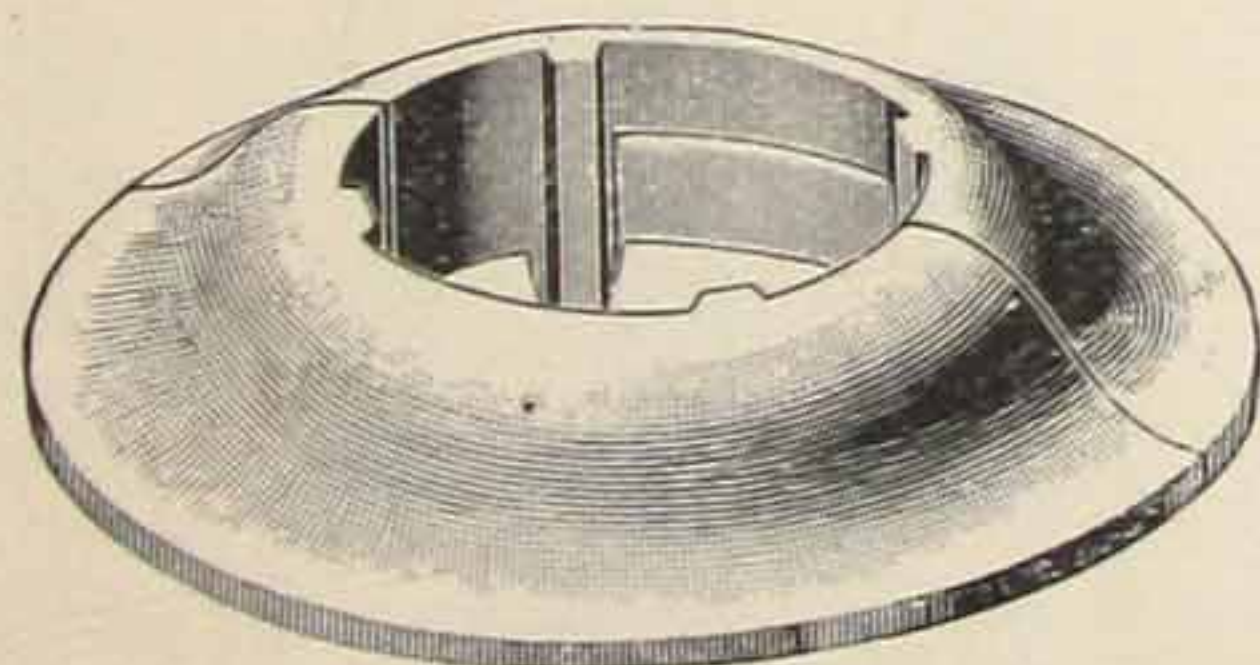


With 4-inch Lag Screw.

Size,	1/2 inch.	3/4 inch.	1 inch.	1 1/4 inch.	1 1/2 inch.
Price,	.15	.18	.18	.20	.22
Size,	2 inch.	2 1/2 inch.	3 inch.	3 1/2 inch.	4 inch.
Price,	.25	.30	.35	.37	.45
Size,	4 1/2 inch.	5 inch.	6 inch.	7 inch.	8 inch.
Price,	.55	.60	.65	.85	.95

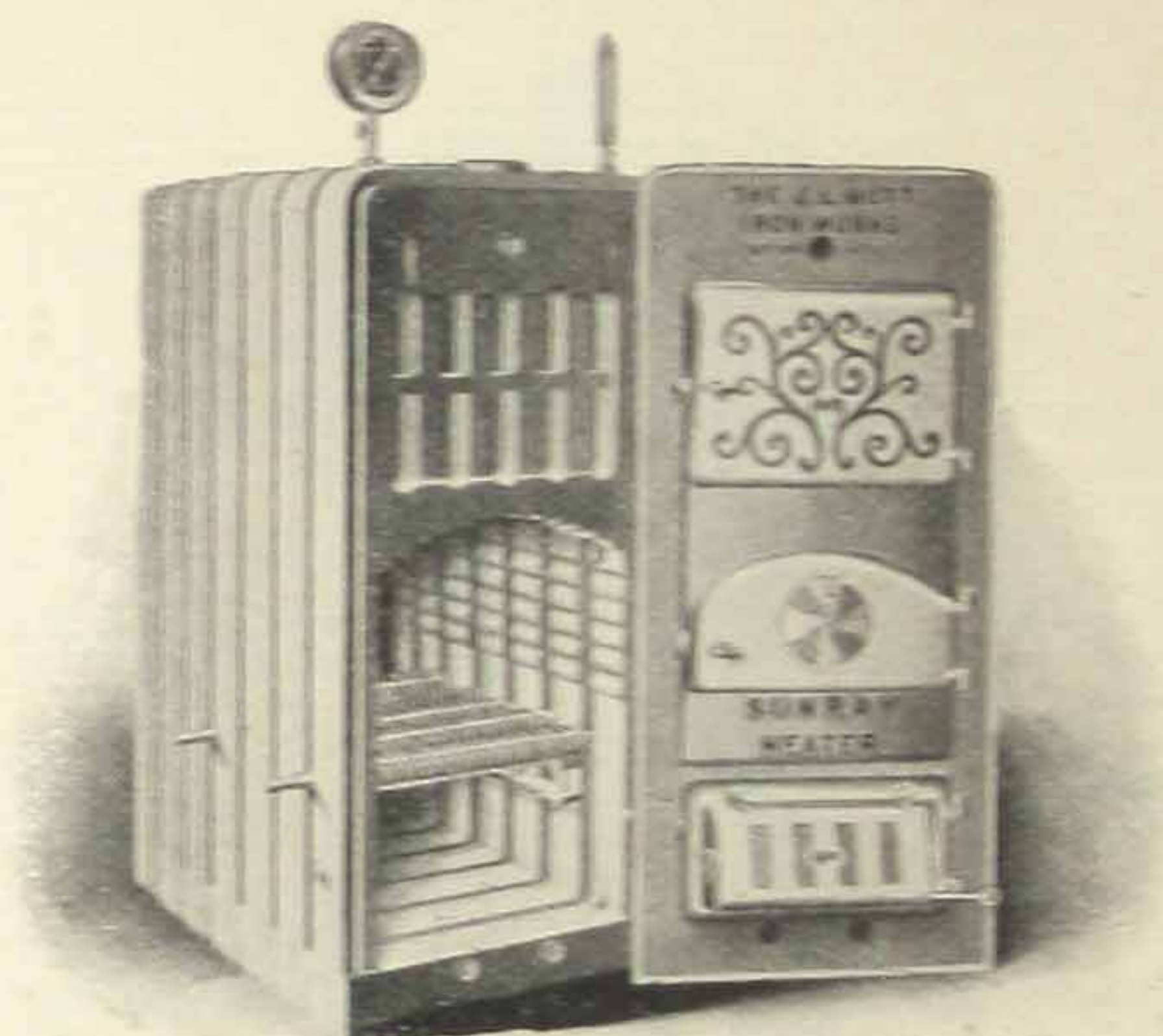
MOTT'S ADJUSTABLE FLOOR PLATES.

BEATON'S PATTER.



Size,	3/4 in.	1 in.	1 1/4 in.	1 1/2 in.	2 in.	2 1/2 in.	3 in.
Price, Black,	.09	.12	.14	.16	.20	.35	.60
" Nickel-plated,	.25	.28	.32	.35	.38	.52	.75

MOTT'S SECTIONAL "SUNRAY" STEAM AND WATER HEATERS.



DIMENSIONS AND PRICES, SERIES 650 AND 700.
LIST DECEMBER 10TH, 1900.

Number.	Size of Grate.	Equal to Diameter.	Size of Smoke Pipe.	Floor Space.	Tappings, Flow and Return.	Direct Water Radiation.	Direct Steam Radiation.	Price for Water.	Price for Steam with Trimmings.
654	20x20	22½	8	28x28	1-3	500	300	140	150
655	20x25	25	8	28x33	1-3	650	400	170	180
656	20x30	28	9	28x38	1-3	825	500	200	210
657	20x35	30	9	28x43	2-3	1000	600	230	240
658	20x40	32	10	28x48	2-3	1200	725	260	270
659	20x45	34	10	28x53	2-3	1400	850	308	318
704	30x30	34	10	40x42	1-4	1225	750	275	285
705	30x36	37	12	40x50	1-4	1575	950	335	345
706	30x44	41	12	40x58	2-4	1900	1150	395	405
707	30x52	45	12	40x66	2-4	2225	1350	455	465
708	30x60	48	14	40x74	2-4	2550	1550	506	516
709	30x60	48	14	40x82	2-4	2900	1750	554	564
710	30x60	48	14	40x90	3-4	3300	2000	614	624
711	30x60	48	16	40x98	3-4	3725	2250	664	684
712	30x60	48	16	40x106	3-4	4125	2500	724	744
713	30x60	48	16	40x114	3-4	4625	2800	784	804
714	30x66	50	18	40x122	3-4	5025	3100	844	864
715	30x66	50	18	40x130	3-4	5650	3400	904	924
716	30x66	50	18	40x138	3-4	6000	3700	964	984

Height of Heaters, 650 series, 59 inches; 700 series, 68 inches. Height of Water Line from floor, 650 series, 45 inches; 700 series, 48 inches.

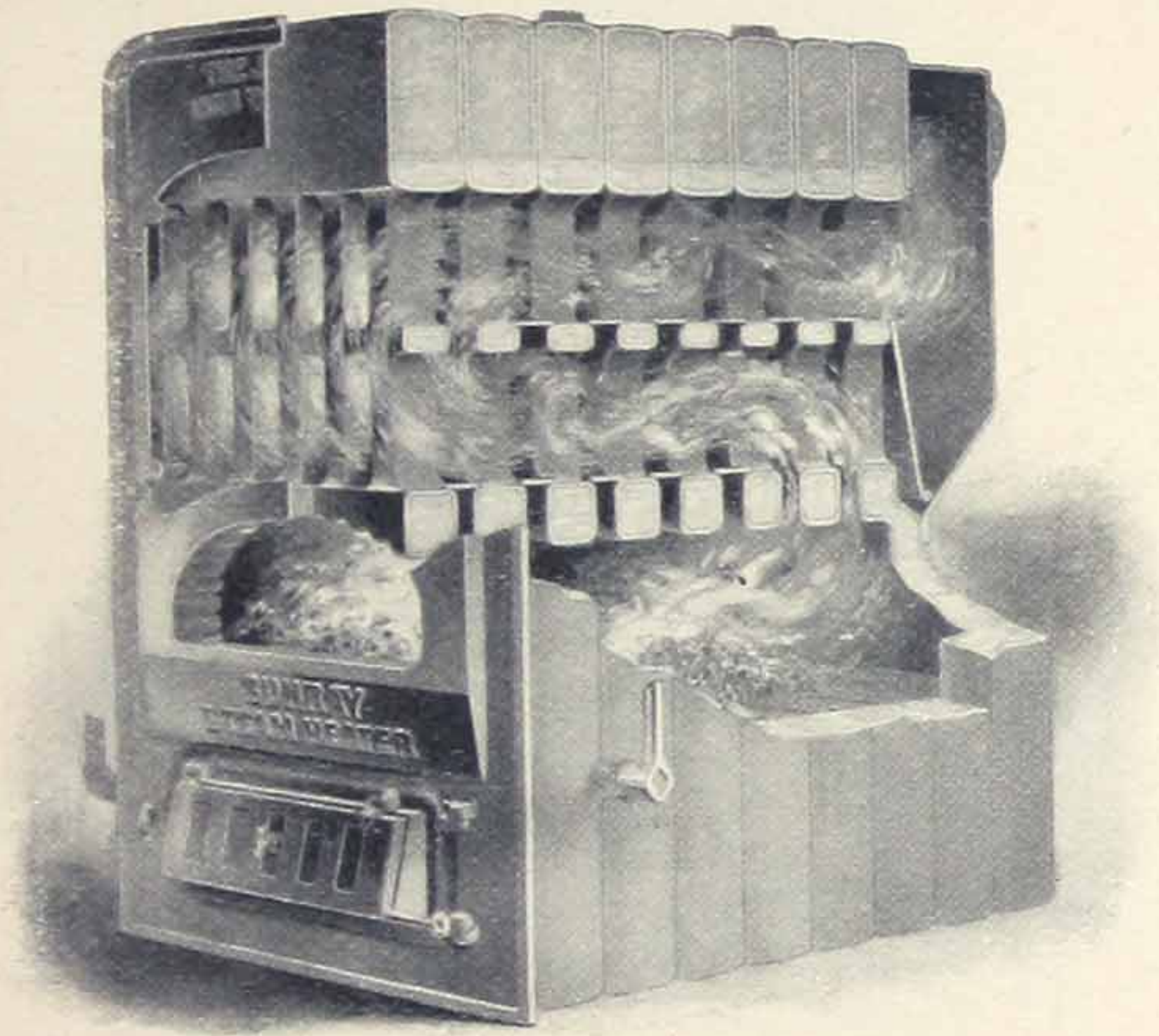
Average weight of Sections, 650 series, 300 lbs; 700 series, 700 lbs. Heating Surface, 650 series, 15 square feet per section; 700 series, 30 square feet per section.

Made at and shipped from our plant at New York.

This List cancels all lists given in former publications.

MOTT'S SECTIONAL "SUNRAY" STEAM AND WATER HEATER.

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SECTIONAL CUT OF SERIES 650 AND 700.

The steam space in this Heater is large, as will be seen from the cut, thus insuring a good steady pressure without constant firing. The surface in the Fire Box is all corrugated, giving additional heating surface as well as strength to the section.

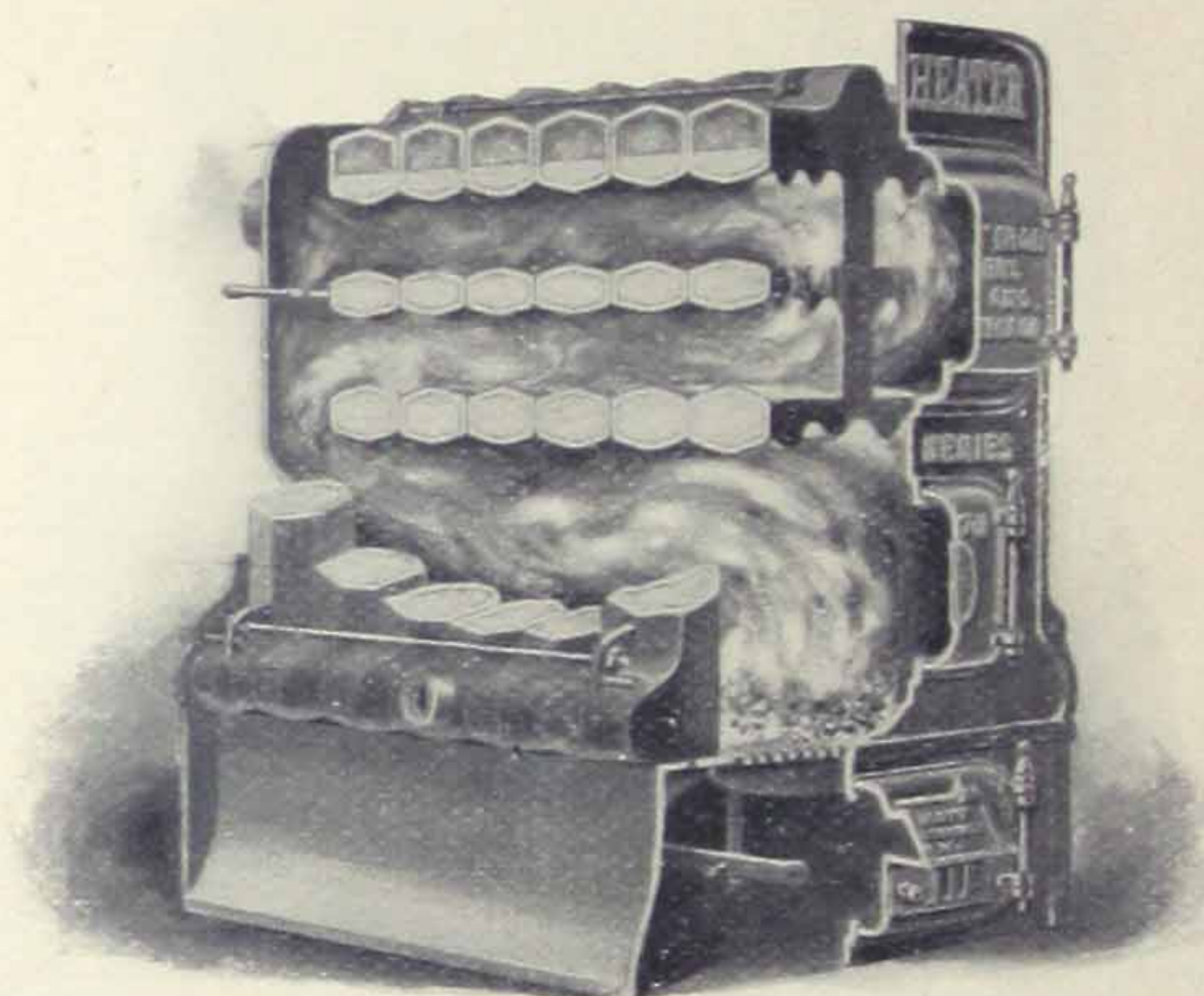
The cut shows the Flue Plates in place. These are of great advantage, as the course of the gases may be lengthened or cut off to suit the requirements of a strong or poor draft. They are made so strong and heavy that there is no danger of their burning out even with hard firing.

All the intermediate sections are interchangeable, so any larger size Heater can be made up by adding extra sections.

The connecting bolts in all our heaters pass through cored openings, and do not come in contact with fire and water.

The following trimmings are furnished with all Steam Heaters without extra charge: One blow-off cock; one 10 lb. safety valve; one water column with gauge cocks, glass and rods; one steam gauge with coil syphon; one damper regulator including diaphragm, arm and weight.

MOTT'S SECTIONAL "SUNRAY" STEAM AND WATER HEATER.



SECTIONAL CUT OF SERIES 70 AND 80.

The water passages in the sections of these series are very large and afford quick circulation for the liberation of steam, which is necessary to maintain a steady water line in a steam Boiler.

The Fire Box and the upper part of the flues are corrugated, thus giving an additional amount of self-cleaning surface over the hottest part of the fire and heated gases.

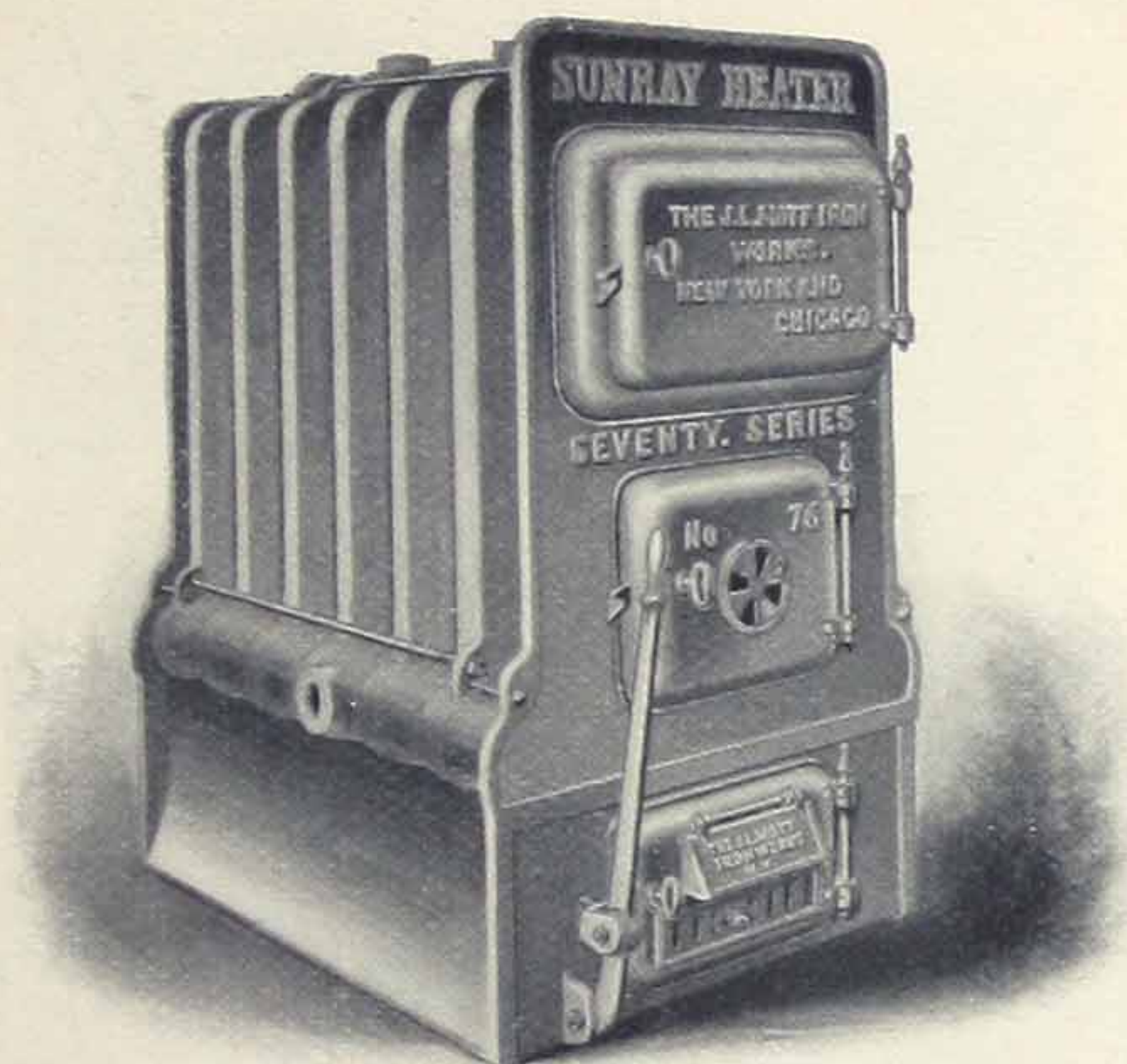
All parts of the sections in these Heaters are heating surfaces of the most effective kind, and we guarantee its heating capacity equal to any sectional Heater in the market, of the same size fire box and section.

The Ash Pits are large and deep enough to prevent the grates burning out, as so frequently happens in house heating Boilers.

This is in every sense a return flue safety sectional Boiler, and one that any engineer can use with confidence that it will do the work needed for any possible want.

MOTT'S SECTIONAL "SUNRAY" STEAM AND WATER HEATER.

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DIMENSIONS AND PRICES, SERIES 70.
LIST DECEMBER 10TH, 1900.

Number.	Size of Grate.	Equal to Diameter.	Size of Smoke Pipe.	Floor Space.	Tappings, Flow and Return.	Direct Water Radiation.	Direct Steam Radiation.	Price for Water.	Price for Steam with Trimmings.
75	24×30	30	9	37×32	2—3	1075	650	245	255
76	24×36	33	9	37×38	2—3	1325	800	290	300
77	24×42	36	10	37×44	3—3	1575	950	335	345
78	24×48	38	10	37×50	3—3	1825	1100	380	390
79	24×54	41	12	37×56	3—3	2075	1250	425	435

Height of Heaters, 58 inches; height of Water Line from floor, 46 inches.
Average weight of sections, 350 lbs.

SERIES 80.

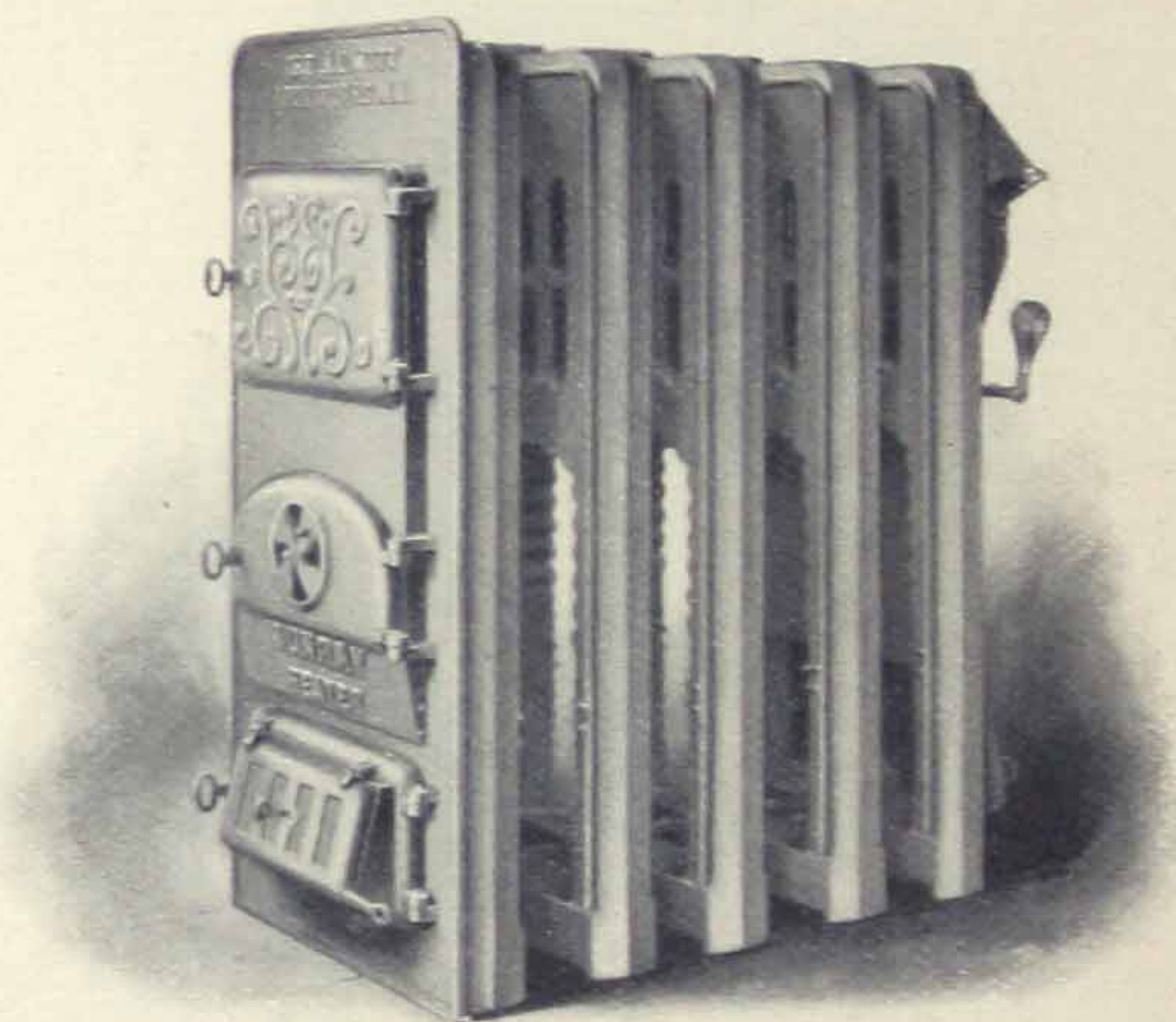
86	32×36	38	12	46×38	2—4	1900	1150	395	405
87	32×42	42	12	46×44	2—4	2225	1350	455	465
88	32×48	44	14	46×50	2—4	2550	1550	506	516
89	32×54	47	14	46×56	2—4	2900	1750	554	564
89A	32×60	50	16	46×62	3—4	3300	2000	614	624
89B	32×60	50	16	46×68	3—4	3725	2250	664	684

Height of Heaters, 65 inches; height of Water Line from floor, 50 inches.
Average weight of sections, 350 lbs.

Made at and shipped from our plant near Pittsburgh, Pa.

This List cancels all lists given in former publications.

MOTT'S SUNRAY STEAM AND WATER HEATERS.



DIMENSIONS AND PRICES, SERIES 1.

LIST DECEMBER 10TH, 1900.

Number.	Size of Grate.	Equal to Diameter.	Size of Smoke Pipe.	Floor Space.	Tappings, Flow and Return.	Direct Water Radiation.	Direct Steam Radiation.	Price for Water.	Price for Steam with Trimmings.
41	20×20	22½	8	28×28	1—3	500	300	140	150
51	20×25	25	8	28×33	1—3	650	400	170	180
61	20×30	28	9	28×38	1—3	825	500	200	210
71	20×35	30	9	28×43	2—3	1000	600	230	240
81	20×40	32	10	28×48	2—3	1200	725	269	279
91	20×45	34	10	28×53	2—3	1400	850	308	318

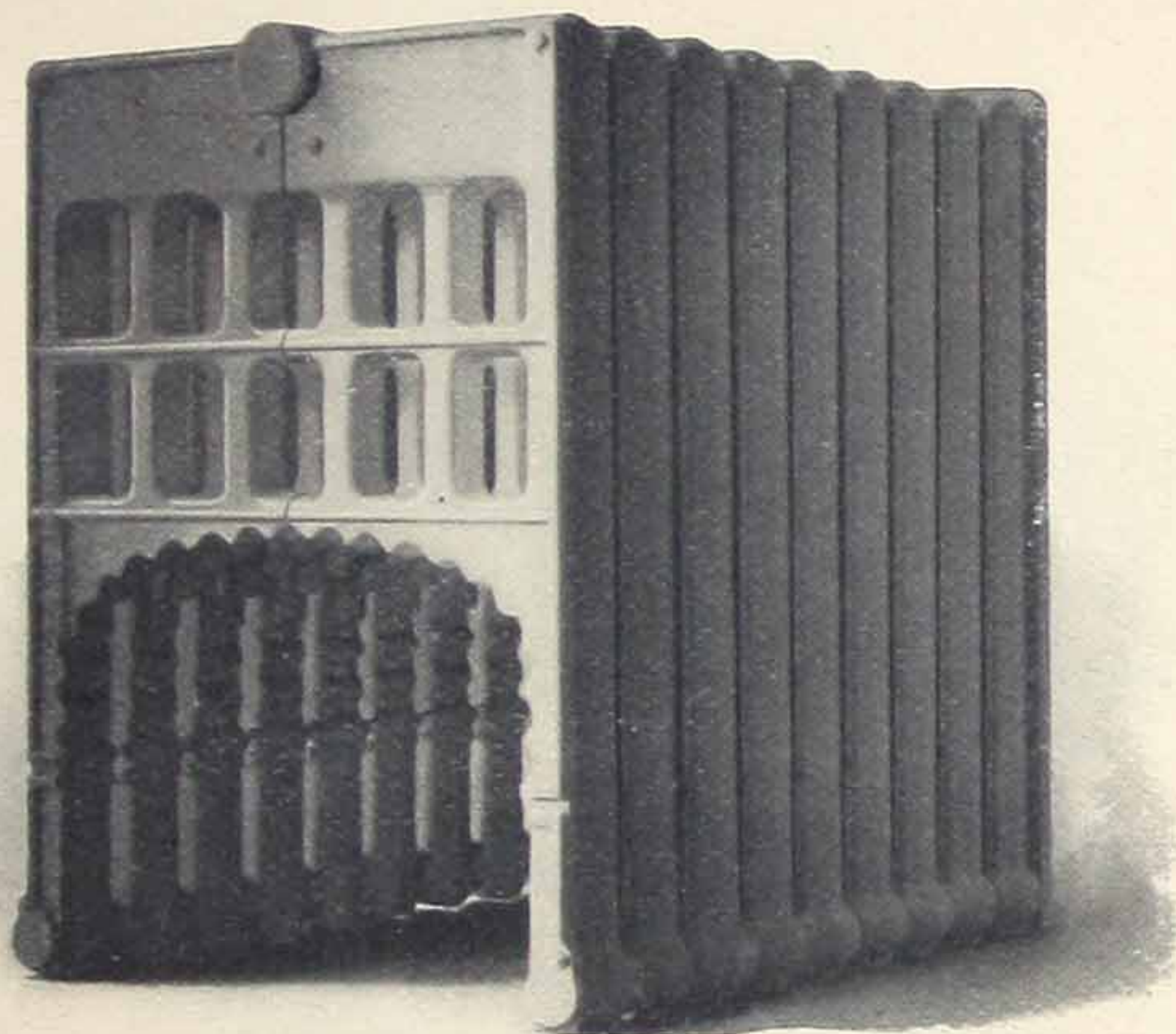
Height of Heaters, 59 inches; height of Water Line from floor, 45 inches. Average weight of sections, 300 lbs. Heating Surface, 15 square feet per section.

Made at and shipped from our plant near Pittsburg, Pa.

This List cancels all lists given in former publications.

MOTT'S SECTIONAL SAFETY STEAM BOILERS AND WATER HEATERS.

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DIMENSIONS AND PRICES, SERIES 3.

LIST DECEMBER 10TH, 1900.

Number.	Size of Grate.	Size of Smoke Pipe.	Floor Space.	Tappings, Flow and Return.	Direct Water Radiation.	Direct Steam Radiation.	Horse Power.	Price for Water.	Price for Steam with Trimmings.
83	46×45	14	5× 5½	2-4	3800	2300	23	676	696
93	46×45	16	5× 6	2-4	4450	2700	27	764	784
103	46×52	16	5× 6½	2-4	5100	3100	31	844	864
113	46×52	18	5× 7¼	3-4	5775	3500	35	924	944
123	46×52	18	5× 8	3-4	6450	3900	39	1004	1024
133	46×59	20	5× 8¾	3-4	7100	4300	43	1084	1104
143	46×59	20	5× 9½	3-4	7750	4700	47	1164	1184
153	46×59	22	5× 10¼	4-4	8425	5100	51	1244	1264
163	46×66	22	5× 11	4-4	9075	5500	55	1324	1344
173	46×66	24	5× 11¾	4-4	9750	5900	59	1404	1424
183	46×73	24	5× 12½	4-4	10400	6300	63	1484	1504

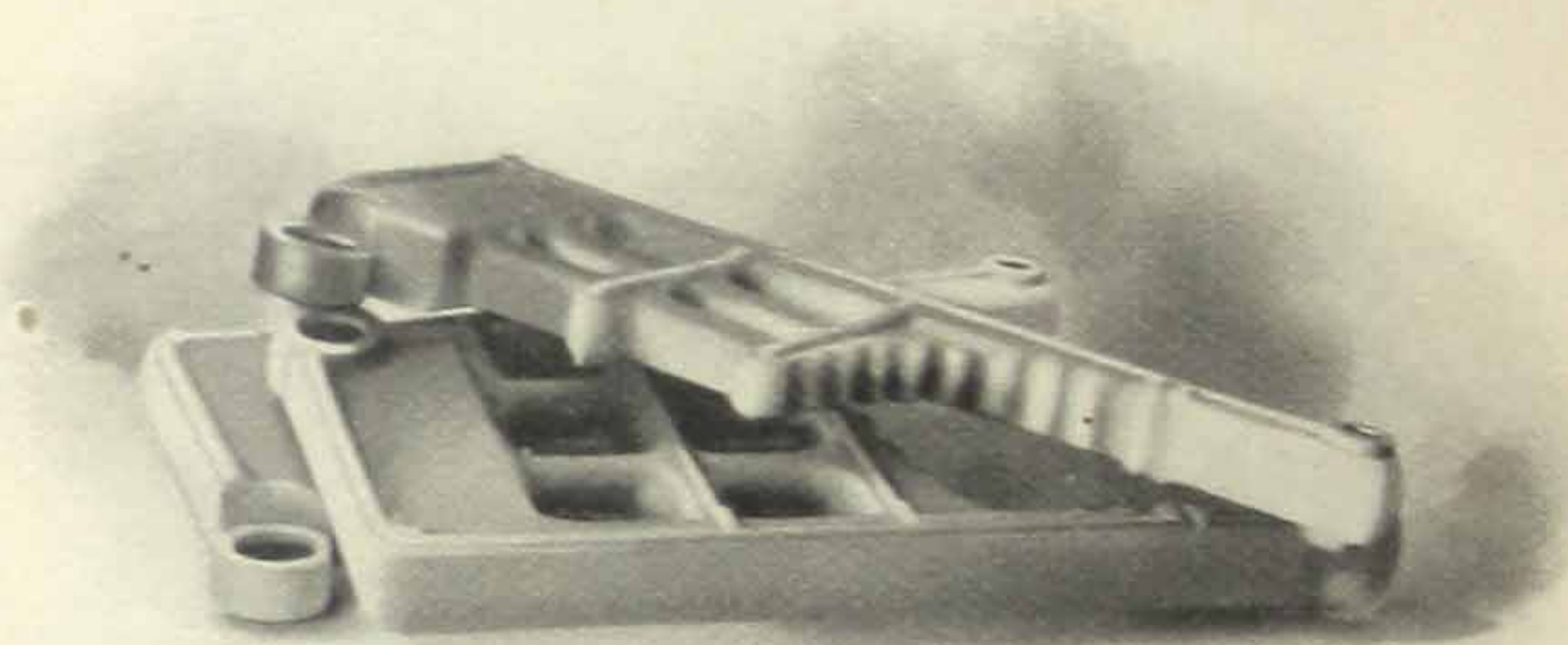
Height of Heaters, 75 inches; height of Water Line from floor, 54 inches
Heating Surface, 45 square feet per section.

Made at and shipped from our plant near Pittsburgh, Pa.

This List cancels all lists given in former publications.

SEPARATE HALF SECTIONS OF SECTIONAL SAFETY STEAM BOILER.

SERIES 3.



Our Series 3 Sectional Steam Boilers are composed of sections made in two pieces. Being so made they are easily handled, the largest piece weighing 350 pounds, and can be taken into a building through any ordinary door or window. The two pieces are connected at the top by one push nipple and the same bolts that hold the Boiler together, hold in place the halves of the section. The upper push nipples are 5 inches in diameter, and as one nipple is used to each half section, there is a continuous 5-inch header running the entire length of the Boiler on the inside. The bolts used to hold the sections together run through cored openings, which keeps them away from both fire and water, thus avoiding the danger of leaky joints due to expansion.

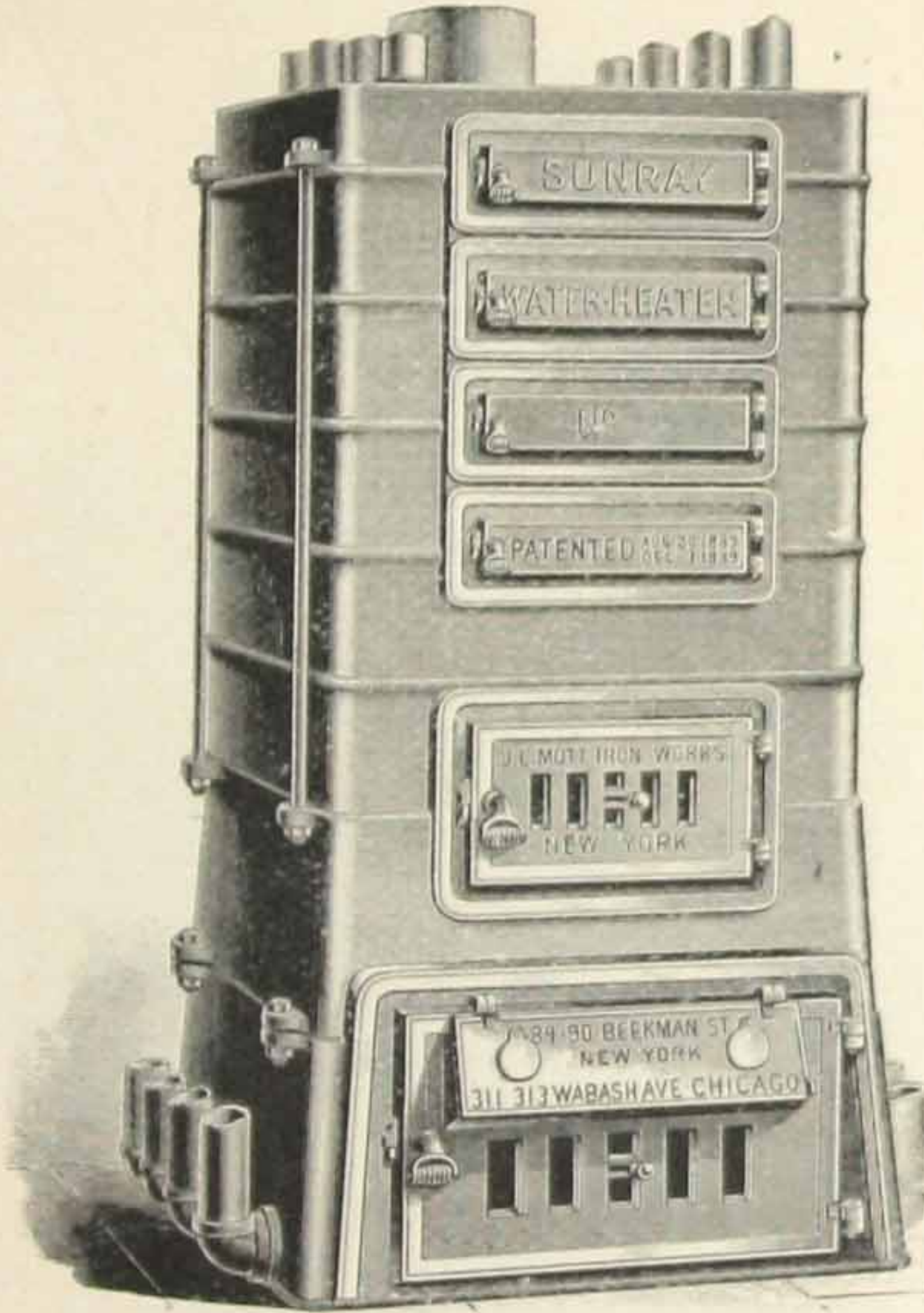
The grates used in this Boiler are very heavy and are held in sockets formed between the sections. Each bar is independent of all others and can be removed with ease and replaced without disturbing the rest of the grate. The height of the ash pit is 17 inches, which insures cool grates and perfect combustion, as well as room for working tools in cleaning out the ashes.

This Boiler when used with the movable flue plates is a return flue tubular Boiler and will be found as economical as any return flue Boiler in use. When used without the flue plates, it is a water tube Boiler, having all the advantages of this well known safety and economical type.

The smoke flues formed in the sections are 6 x 9 inches, large enough to burn any kind of fuel and to admit any kind of flue-cleaning brush.

MOTT'S SQUARE SERIES SUNRAY WATER
HEATERS.

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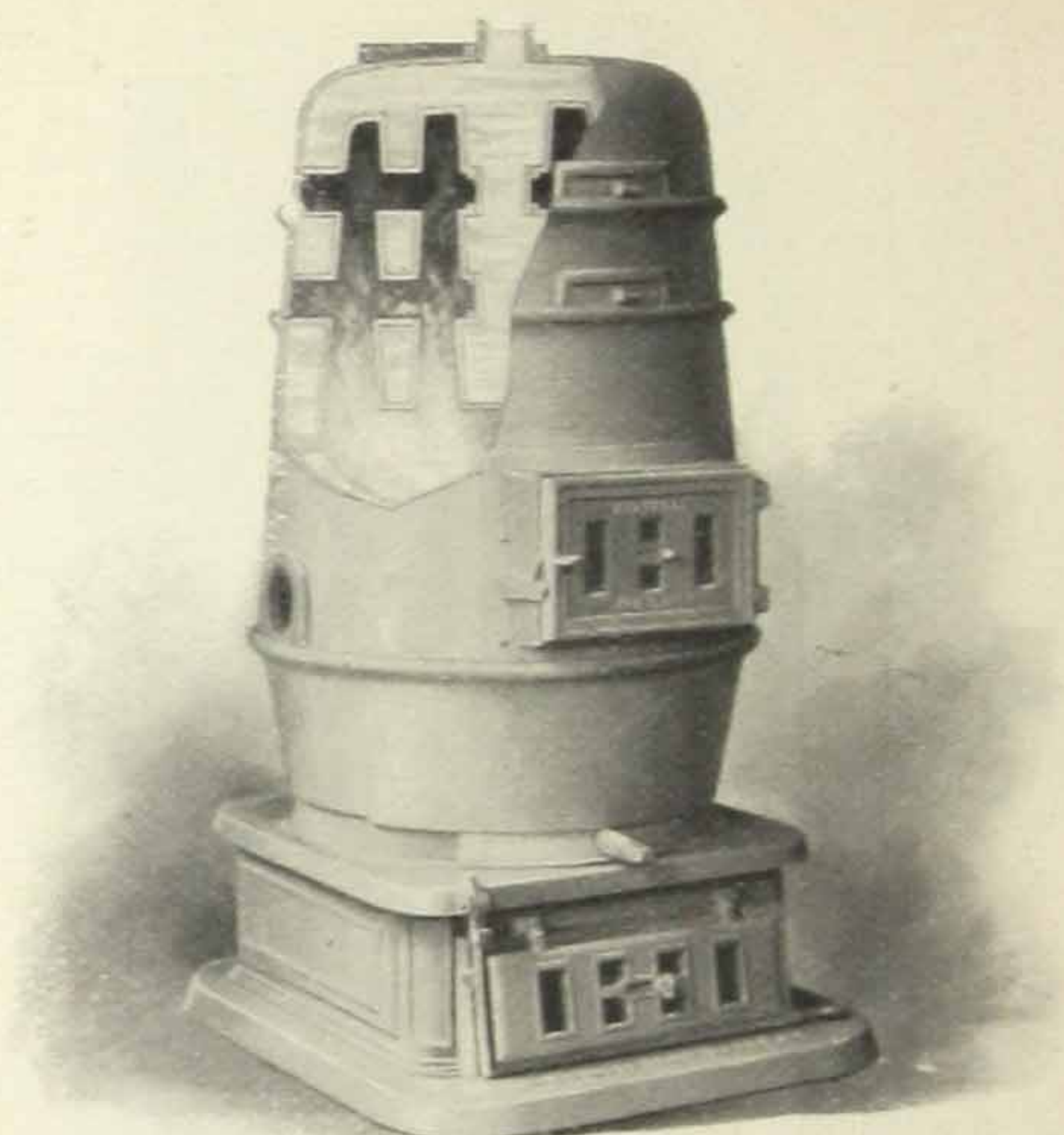


DIMENSIONS AND PRICES OF SQUARE SERIES.
LIST DECEMBER 10TH, 1900.

Number.	Height of Heater.	Size of Fire Pot.	Outside Dimensions of Heater at Base.	Size of Smoke Pipe.	Weight.	Square feet of Fire Surface in Heater.	Direct Water Radiation.	Price.
1	47	17×21	24×28	8	1200	46	350	106
2	54	17×21	24×28	8	1500	55	450	122
3	56	20×24	28×32	8	1800	71	600	150
4	60	20×24	28×32	8	2000	84	800	186
5	60	24×28	32×36	9	2700	95	1100	240
6	67	24×28	32×36	10	3100	114	1400	298
16	64	28×32	36×40	10	3700	124	1700	350
7	70	28×32	36×40	10	4100	143	2000	404
8	76	28×32	36×40	10	4400	167	2500	488
9	71	32×37	40×44	11	4800	182	3000	560

Made at and shipped from our plant at New York.
This List cancels all lists given in former publications.

MOTT'S ROUND SERIES SUNRAY WATER AND TANK HEATERS.



SECTIONAL ILLUSTRATION.

The tank capacities represent the size of tanks which experience has shown the Heaters will supply for ordinary family use. For any special requirements, proper capacities should be provided.

DIMENSIONS AND PRICES OF ROUND SERIES.

LIST DECEMBER 10TH, 1900.

Number.	Diameter of Fire Pot.	Size of Base.	Size of Smoke Pipe.	Height of Heater.	Distance from Floor to center of Return Tapping.	Size of Tapping.	Radiating Surface.	Tank Capacity in Gallons.	Approx. Weight.	Price.
22	14	21 X 25	6	39	22	2	120	160	300	36
23	14	21 X 25	6	40	22	2	150	200	360	42
24	18	25 X 30	7	41	23	2½	225	300	425	55
25	18	25 X 30	7	42	23	2½	300	400	500	69
25½	18	25 X 30	7	47	23	2½	350	450	600	107
27	21	28 X 34	8	47	25	3	400	520	700	116
28	21	28 X 34	8	52	25	3	475	615	800	129
28½	21	28 X 34	8	57	25	3	550	715	1000	145
30	24	32 X 40	9	60	27¾	4	650	845	1200	167
31	24	32 X 40	9	66	27¾	4	775	1010	1400	191
32	24	32 X 40	9	72	27¾	4	900	1170	1600	217

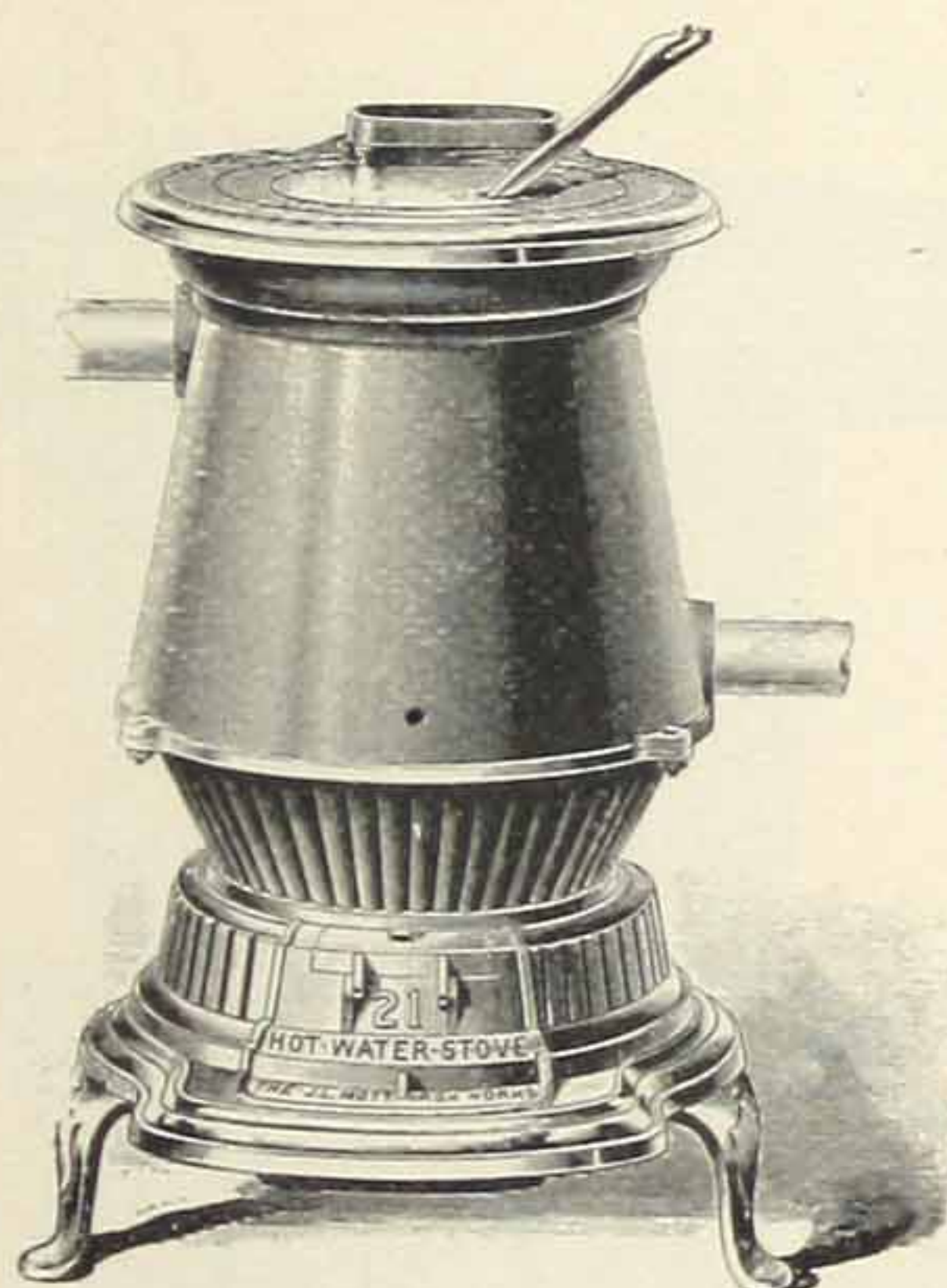
Return openings are at back in sizes 30, 31 and 32; all others at side.

Made at and shipped from our plant at New York.

This List cancels all lists given in former publications.

MOTT'S WATER HEATING STOVES.

THE
J. L. MOTT
IRON
WORKS
3



MADE IN TWO SIZES.

LIST DECEMBER 10TH, 1900.

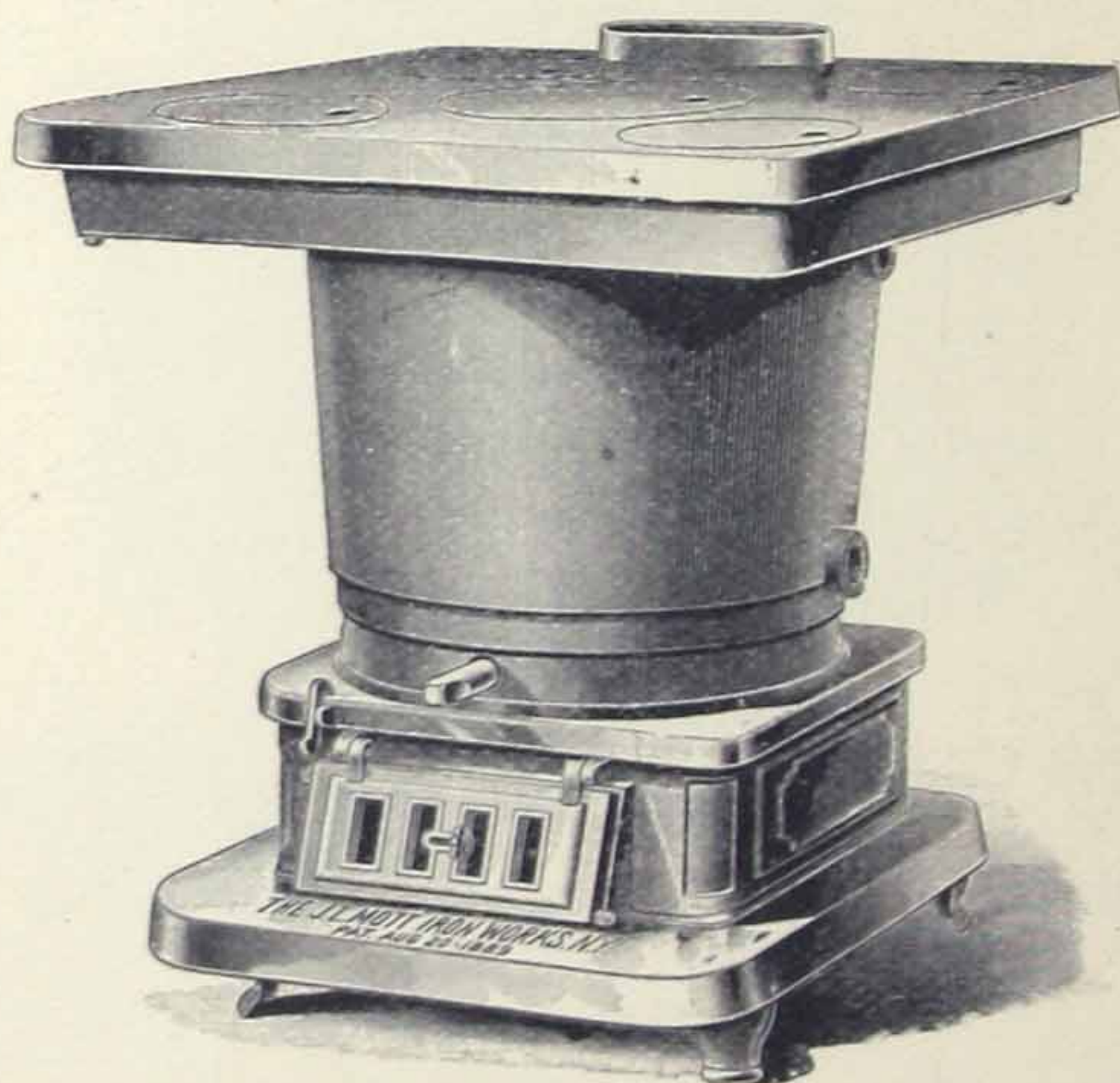
No.	Size of Fire Pot.	Depth of Water Cylinder.	Will Heat per Hour.	Price.
20	10 in.	10½ in.	70	24
21	11 in.	14 in.	135	30

This Stove cannot be used for heating irons, but the top may be used for boiling clothes in an open boiler.

Made at and shipped from our plant at New York.

This List cancels all lists given in former publications.

MOTT'S IRON HEATER AND WATER HEATING STOVE.



ONE SIZE ONLY.

No.	Size of Top.	Size of Fire Pot.	Depth of Water Cylinder.	Price.
52	27×27 in.	12 in.	12 in.	35

Will heat from 60 to 140 gallons per hour. Fire bricks are made to fit inside fire pot to reduce water heating capacity. Top has heated surface for from 18 to 24 irons.

Made at and shipped from our plant at New York.

BOILER RATINGS.

THE
J.L.MOTT
IRON
WORKS
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IMPORTANT NOTICE.

All ratings are based on the supposition that feed and return mains are properly put up and covered with good non-conducting material.

All Steam Boilers and Water Heaters are rated for the actual radiation they will carry, including all flow pipes, return pipes and risers.

All ratings are based on the standard of two pounds pressure at the Boiler in Steam Boilers, and a standard temperature of 170° at the Heater in Water Heaters.

All ratings are based on the assumption that hard coal is used as fuel; if bituminous coal is used, it is better to use a Boiler one size larger to do the work.

In estimating the size of Boiler, a liberal allowance should be made for the radiation from the flow and return pipes and fittings; good practice puts this at from 20 to 25 per cent.

All ratings are for direct radiation. If direct-indirect is used, the Boiler should be 25 per cent. larger, and if indirect is used, 50 per cent. larger than for direct radiation.

Our Boiler ratings must be applied only under condition that there is ample radiating surface used to heat the building, and the piping between the Boiler and Radiators must be properly proportioned and erected in accordance with good practice.

All Boilers must be attached to a chimney with a good draft, and not less, round or square, than dimension given in the list for the Boiler specified; it must also be of ample height and must be used only for the Boiler.

When a pipe coil is introduced in the fire box of a Boiler, or a steam coil is placed in a tank for the purpose of heating water for domestic use, additional capacity must be provided when determining the size of Boiler required, as follows: 2 square feet of radiation for hot water, and 1¼ square feet of radiation for steam, for each gallon of water heated 50° per hour.

Our Boilers are guaranteed only to the extent of furnishing new castings for any found defective in manufacture.

BOILER COVERINGS.

Enough Covering is sent with each Boiler to stop up all joints between the sections and to make it fire and smoke tight, but not to cover the Boiler. One bag will be supplied for six sections of the 20 and 24 inch grate Boilers, one bag for four sections of the 30 and 32-inch Boilers, and one bag for three sections of the 46-inch Boilers. If it is desired to cover the Boiler $1\frac{1}{2}$ inches thick, three times this quantity will be necessary.

BOILER COVERING CEMENT.

Boiler Covering put up in sacks of 100 lbs.	Price per sack,	\$2 50
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SHIPMENTS.

Radiators are shipped from our factory near Pittsburg, Pa., (one of the best shipping points in the United States.) Car load rate of freight will be allowed on all Radiators to points where the rate does not exceed 15 cents per hundred pounds.

We do not replace Radiators broken in transit. In all such cases our customers are expected to look to the carriers for any damage they may sustain.

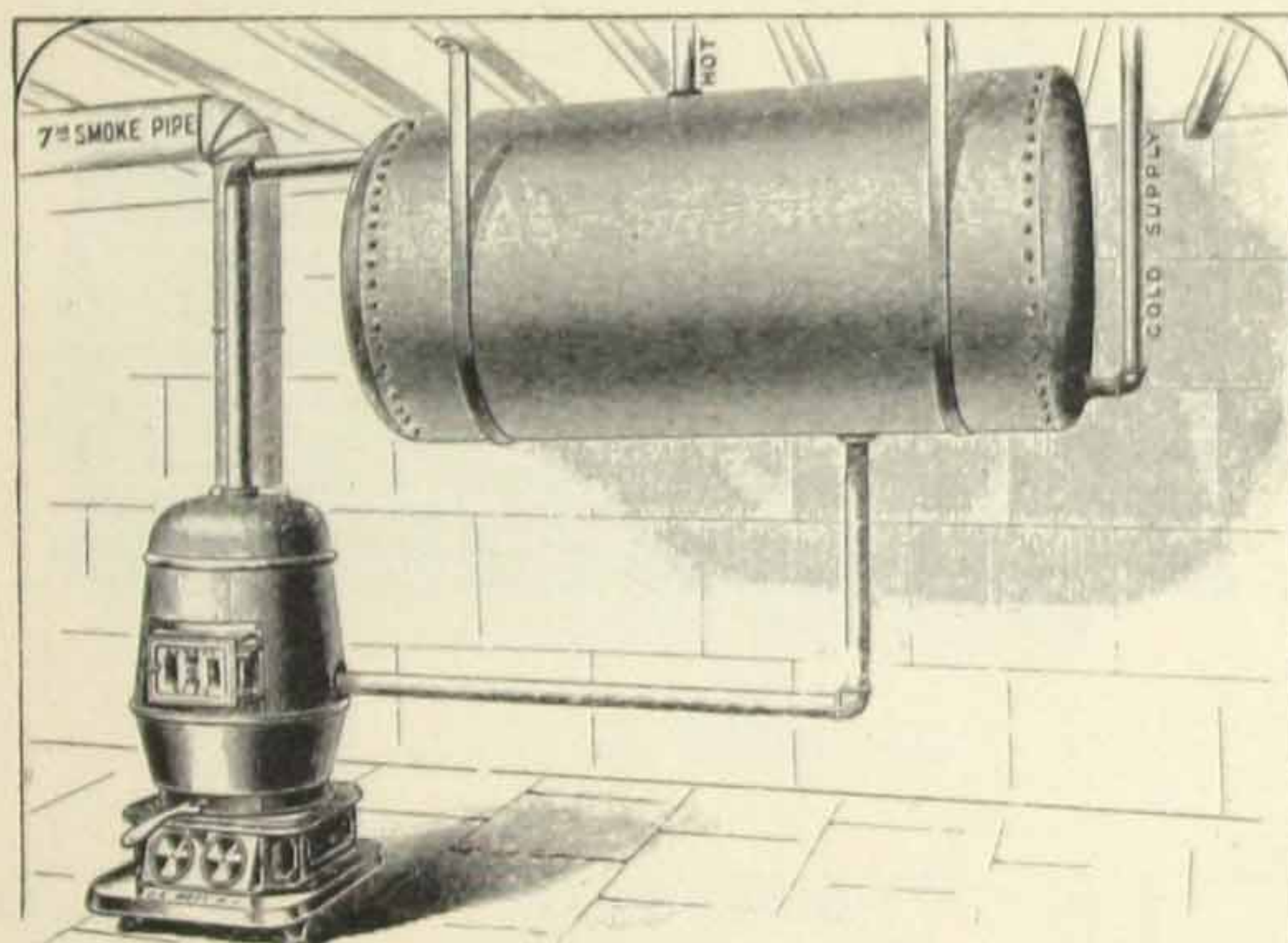
In case of a defective casting we furnish one to replace it free of charge, but we will not allow bills for labor in replacing such casting.

MOTT'S STEEL HOT WATER TANKS.

THE
J.L.MOTT
IRON
WORKS

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WITHOUT COILS.



DIMENSIONS AND PRICES.

Dimen- sions.	Capacity, Gallons.	Average Weight.	Black.	Galvan'd.
5 × 18	66	200		\$40 00
6 × 18	80	215		44 00
5 × 20	85	230		47 50
6 × 20	100	260		61 50
5 × 22	100	260		67 50
6 × 22	120	300		74 00
5 × 24	120	300	\$60 00	85 00
6 × 24	145	330	64 00	90 00
7 × 24	170	360	68 00	96 00
8 × 24	200	420	72 00	108 00
5 × 30	185	450	80 00	114 00
6 × 30	220	500	85 00	122 00
7 × 30	257	550	90 00	128 00
8 × 30	300	600	95 00	138 00
10 × 30	375	700	100 00	158 00
6 × 36	325	700	105 00	180 00
7 × 36	375	800	115 00	200 00
8 × 36	425	900	130 00	225 00
10 × 36	530	1000	145 00	250 00
8 × 42	600	1250	165 00	280 00
10 × 42	725	1500	205 00	320 00
12 × 42	850	1750	250 00	380 00

Man Holes, extra \$12.

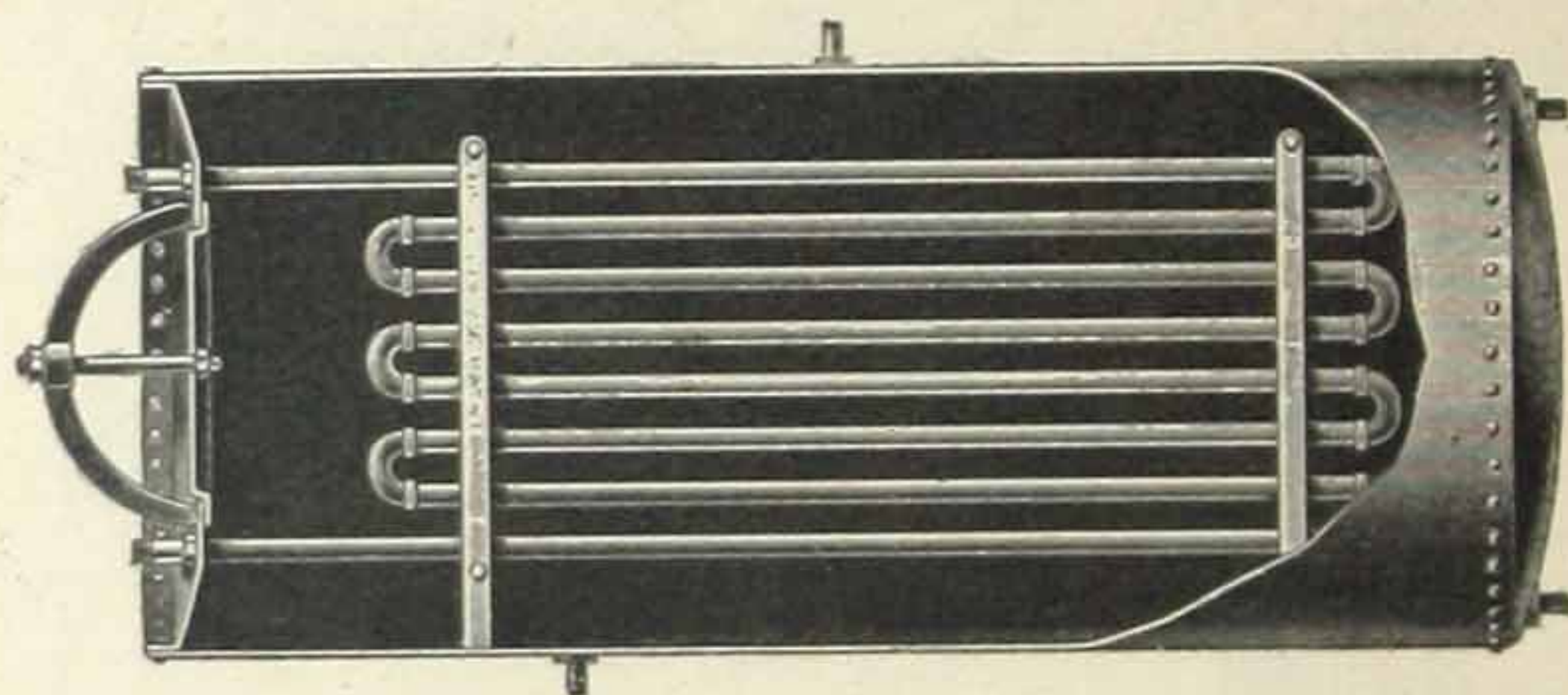
Hand Holes, extra \$5.

All Boilers up to 6 × 22 are tapped 1 inch; all up to 10 × 30, 1½ inch; all above are tapped 2 inches. Location of tap holes will be as shown in cut unless otherwise ordered.

MOTT'S STEEL HOT WATER TANKS.

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WITH STEAM COILS.



DIMENSIONS AND PRICES.

Dimen- sions.	Capacity, Gallons.	BLACK STEEL.		GALVANIZED.	
		With Galv'd Coil.	With Brass Coil.	With Galv'd Coil.	With Brass Coil.
5 × 18	66				\$ 90 00
6 × 18	80				102 00
5 × 20	85				105 00
6 × 20	100				132 00
5 × 22	100				132 00
6 × 22	120				144 00
5 × 24	120	\$80 00	\$120 00	\$120 00	150 00
6 × 24	145	90 00	140 00	130 00	175 00
7 × 24	170	100 00	160 00	140 00	200 00
8 × 24	200	110 00	180 00	150 00	225 00
5 × 30	185	115 00	180 00	160 00	235 00
6 × 30	220	125 00	190 00	180 00	250 00
7 × 30	257	135 00	200 00	210 00	275 00
8 × 30	300	145 00	210 00	240 00	300 00
10 × 30	375	160 00	220 00	270 00	350 00
6 × 36	325	150 00	240 00	250 00	325 00
7 × 36	375	170 00	265 00	270 00	350 00
8 × 36	425	190 00	290 00	290 00	375 00
10 × 36	530	220 00	325 00	330 00	420 00
8 × 42	600	240 00	360 00	350 00	440 00
10 × 42	725	275 00	400 00	390 00	480 00
12 × 42	850	320 00	450 00	440 00	540 00

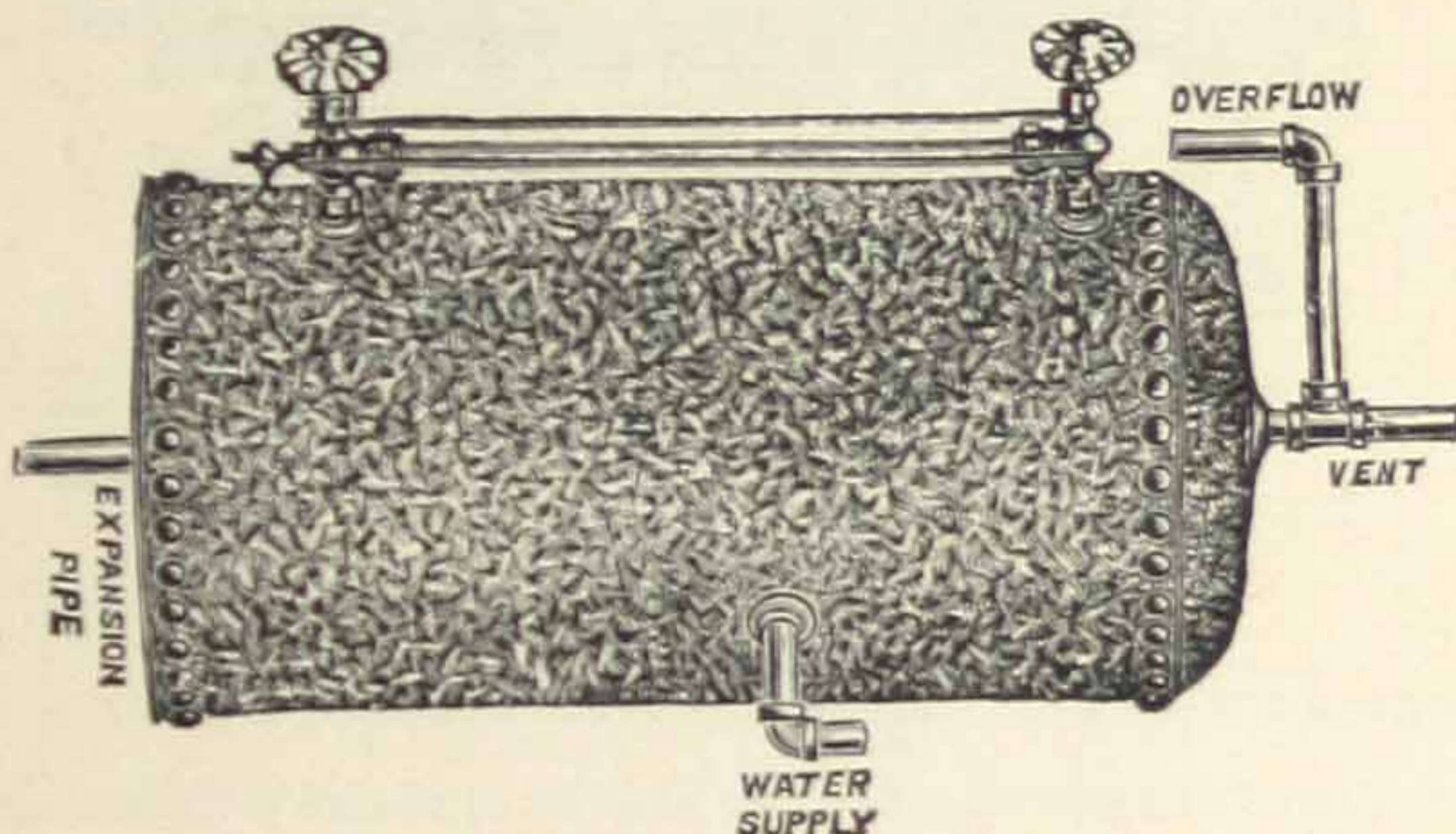
Coils are made of sufficient size to heat the water in the tank from 50° to 190° in two hours. For Coils to heat in one and one and a half hours, special net prices will be given.

All Coil Boilers up to and including 6 × 22 are vertical only and have no man holes. All above that size are made to be placed horizontally and have man holes in end.

MOTT'S GALVANIZED STEEL EXPANSION TANK.

THE
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TESTED TO 150 POUNDS PRESSURE.



DIMENSIONS AND PRICES.

Capacity Gallons.	Size.	Square Feet of Radiation.	Price, including Gauge.
8	10 × 20	300 to 400	\$9 00
10	12 × 20	400 to 500	9 50
12	12 × 24	500 to 600	10 00
15	12 × 30	600 to 700	10 75
18	12 × 36	700 to 900	12 00
20	14 × 30	1000 to 1300	14 75
26	16 × 30	1400 to 1800	15 75
32	16 × 36	2000 to 2400	17 00
42	16 × 48	2800 to 3500	18 50
66	18 × 60	4000 to 5000	33 00
82	20 × 60	6000 to 7000	39 00
100	22 × 60	8000 to 10000	53 00
120	24 × 60	11000 to 15000	60 00
Water Gauges, 8 to 15 gallons,			\$2 00
"	" 18 to 32 "	"	3 00
"	" 42 to 120 "	"	4 00

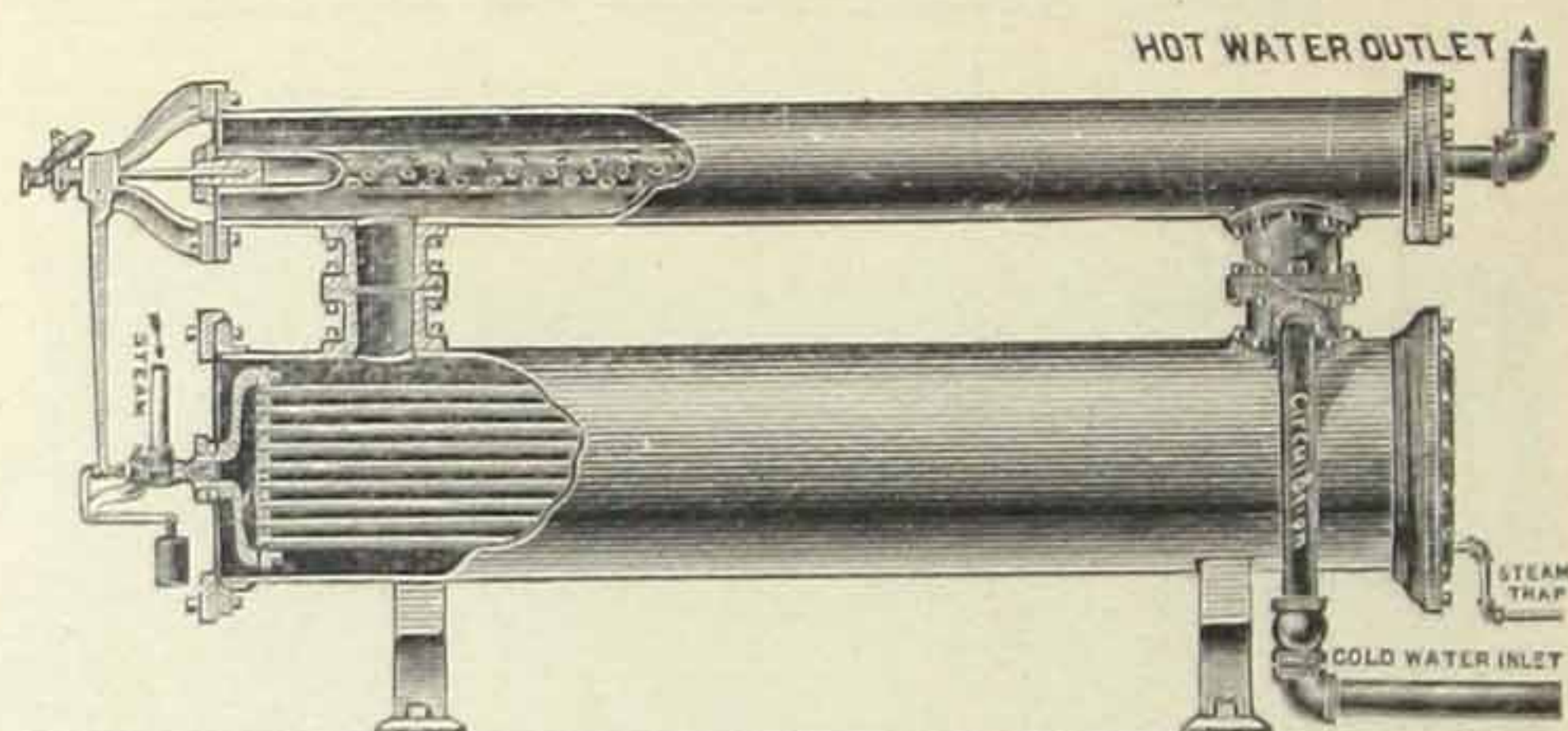
MOTT'S SELF FEEDING TANK.

Size.	Depth.	Capacity.	Price.
12 × 18	12 inches.	10 gallons.	\$15 00

Water Gauge and Glass, extra \$2.

Made to stand not over 10 pounds pressure.

TOBEY AUTOMATIC WATER HEATER.



The TOBEY AUTOMATIC WATER HEATER supplies a want not met by any other heater, viz: furnishing water at any temperature that may be desired, and of a uniform temperature, whether water is drawn in small quantities at intervals or drawn continuously to the full capacity of the heater.

The heater is supplied with sufficient heating surface to heat water as rapidly as the heaviest draft upon it may require, and the body or shell is only of sufficient size to contain the heating surface and internal parts—no provision being made for the storage of hot water, as is the case with the ordinary water heater; therefore, it requires but little space, is light to handle, and reduces waste of heat by radiation from its surface to a minimum.

The automatic controlling device on these heaters is positive and simple in construction, and while capable of the most minute adjustment, is able to control and deliver large quantities of steam without the slightest loss.

The moment the water in the upper cylinder reaches the desired temperature, the valve is instantly closed and the steam supply shut off, and so remains till the water falls below the required temperature through the drawing of water from the apparatus.

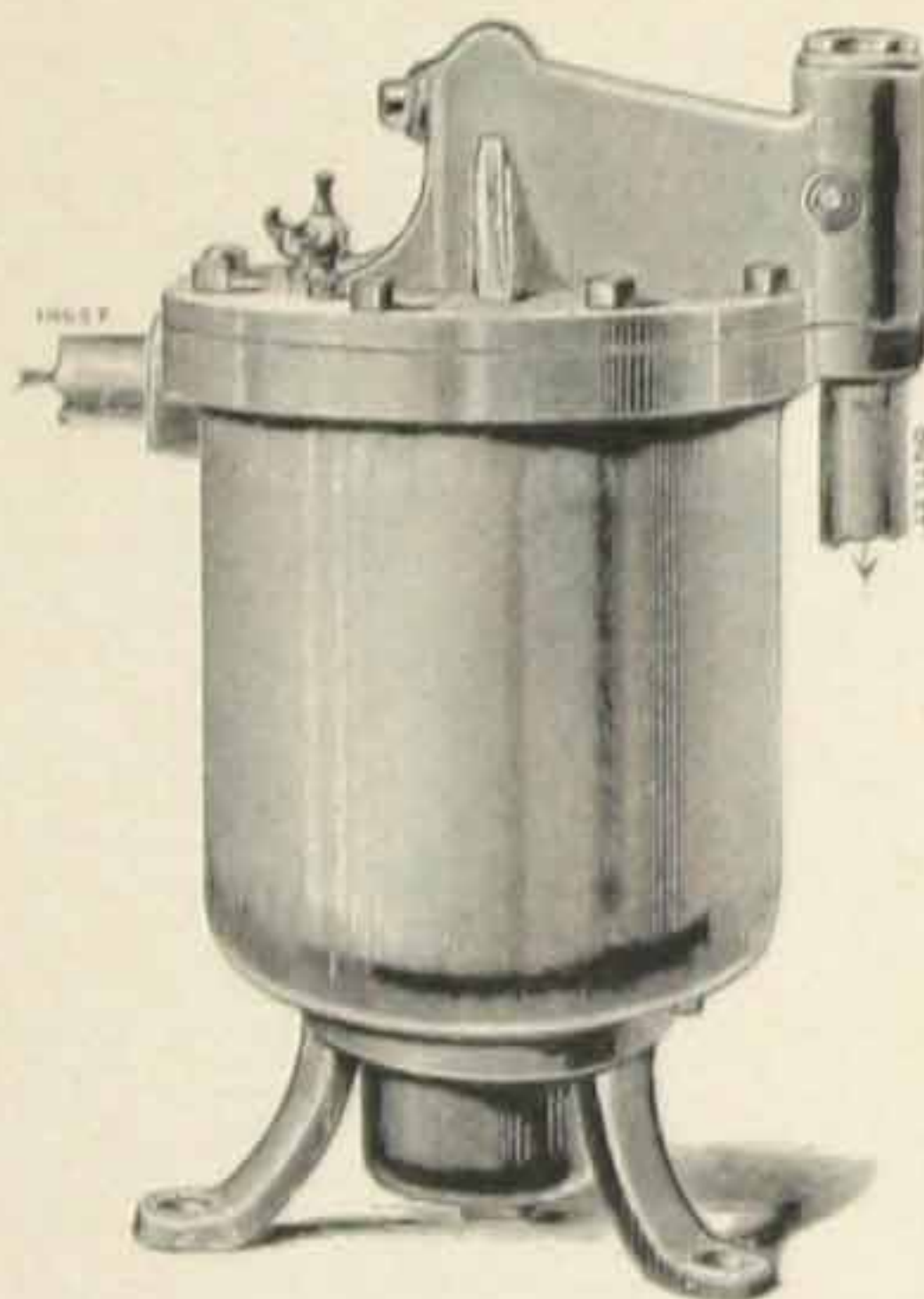
This heater is especially useful and to be desired in public institutions, office buildings, hotels, bath houses, or in fact any place where a constant supply of warm or hot water is required.

Write for our special pamphlet about Tobey Heaters.

TOBEY STEAM TRAP.

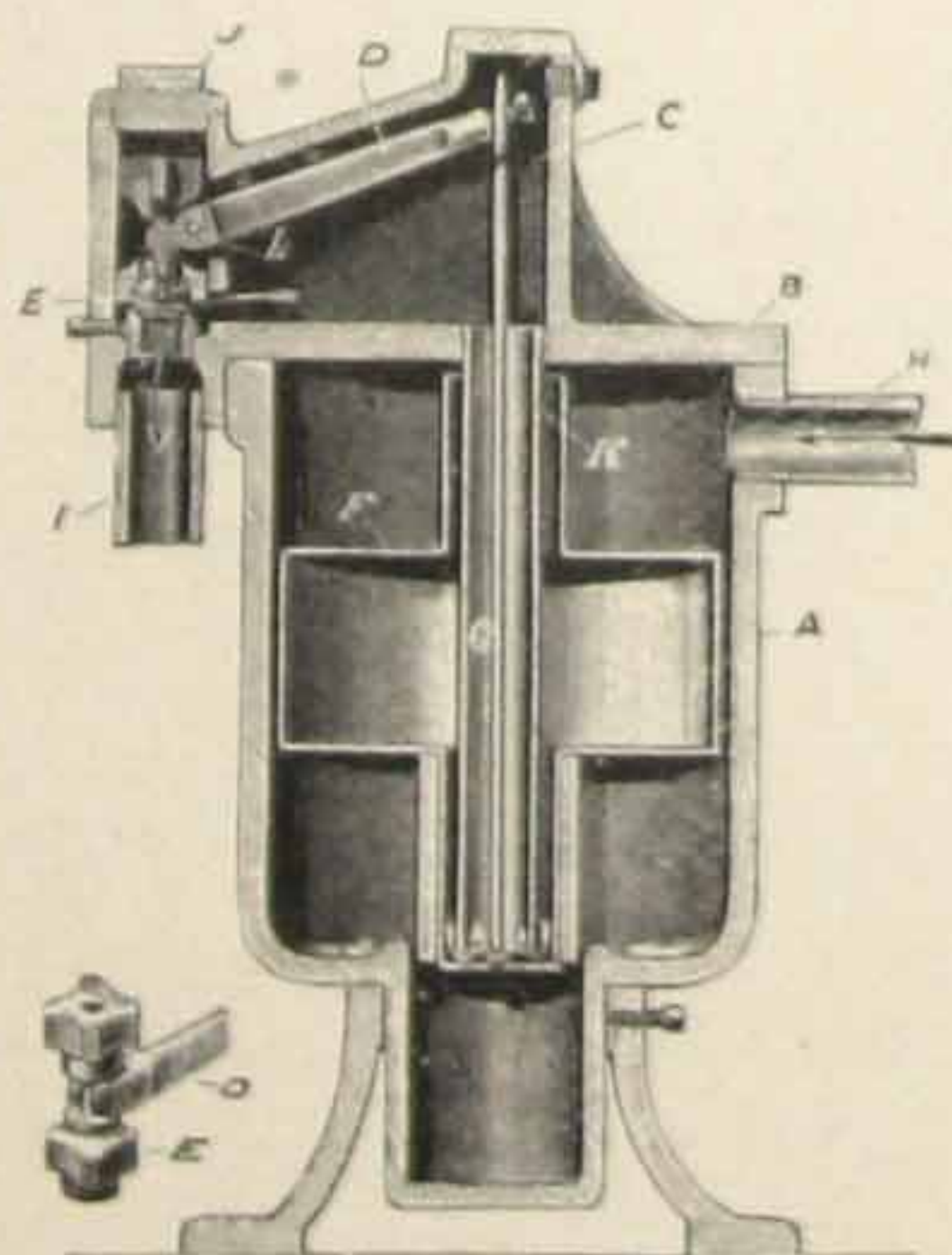
THE
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The TOBEY STEAM TRAP possesses all the merits of the ordinary bucket trap, with the additional advantage of having great capacity, and having the valve so situated that it is easy of access.

It has the greatest capacity of any trap made, in proportion to its size and weight, and will operate under 90 pounds pressure.



SECTIONAL CUT.

When the trap is discharging, the valve is widely open, which reduces the wear upon its surface to a minimum.

By removal of a small cap, the valve can be reached and freed from any obstruction or ground to its seat.

TOBEY AUTOMATIC WATER HEATER.

DIMENSIONS AND PRICES.

Number.	Diameter of lower shell in inches.	Diameter of upper shell in inches.	Length of shell in feet.	Number of Tubes.	Diameter of Tubes in inches.	Capacity in gallons per hour from 50° to 180°.	Horse Power as feed water heater	Price.	Suitable size of Tobey Trap
1a	6	4	6	15	$\frac{3}{4}$	1000	150	225	$1\frac{1}{2}$
$1\frac{1}{2}$	9	6	6	30	$\frac{3}{4}$	2000	300	300	2
2	16	8	7	36	1	3000	450	400	2
3	16	8	8	48	1	5000	700	500	$2\frac{1}{2}$
4	22	8	8	95	1	10000	1400	975	3

TOBEY HEATER CONNECTIONS.

	No. 1a.	No. $1\frac{1}{2}$.	No. 2.	No. 3.	No. 4.
Cold Water Inlet,	2 in.	$2\frac{1}{2}$ in.	3 in.	3 in.	4 in.
Hot Water Outlet,	$1\frac{1}{2}$ in.	2 in.	$2\frac{1}{2}$ in.	$2\frac{1}{2}$ in.	4 in.
Drip,	1 in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.

The size of the steam valve connection is regulated by the pressure of the steam to be supplied to the heater. It operates equally well with exhaust, low pressure or high pressure steam, but of course requires a much larger valve and steam connection for low pressure or exhaust steam.

When ordering Tobey Heaters the pressure of steam it is proposed to use and whether live or exhaust, should be stated, so the proper valve may be supplied.

TOBEY STEAM TRAP.

DIMENSIONS AND PRICES.

	Size of Inlet.	Size of Outlet.	Capacity for Draining 1-inch Pipe.	Price.
No. 1,	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	6,000 feet.	\$30 00
No. $1\frac{1}{2}$,	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	9,000 feet.	40 00
No. 2,	1 in.	1 in.	20,000 feet.	50 00
No. $2\frac{1}{2}$,	1 in.	1 in.	25,000 feet.	60 00
No. 3,	$1\frac{1}{4}$ in.	$1\frac{1}{4}$ in.	45,000 feet.	80 00

